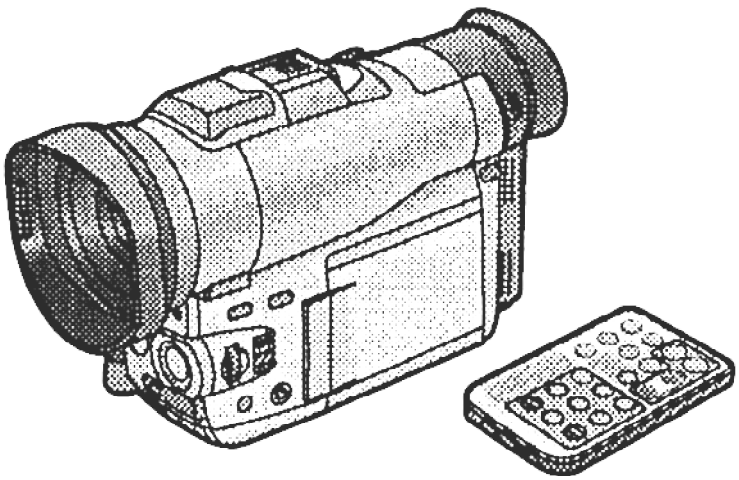
ORDER NO.VMD0009024C8

Service Manual

Digital Video Camera/Recorder

Panasonic Mini DV PAL MultiMediaCard™ SD

NV-MX300EG
NV-MX300B
NV-MX300EN
NV-MX300A
VOL.1
Q3-MECHANISM



SPECIFICATIONS

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ITEM	SPECIFICATION
POWER	Source: Battery Pack; 7.2 V DC AC Adaptor; 7.9 V DC Consumption: During Camera Recording Using The LCD Monitor; 6.3 W During Camera Recording Using The Viewfinder; 5.6 W
RECORDING FORMAT	Digital Video SD Format
TAPE FORMAT	Mini DV Cassette Tape (Tape width 6.35 mm)
TAPE SPEED	SP mode : 18.83 mm/s LP mode : 12.57 mm/s Record/Playback Time: SP mode ; 80 min. with DVM80 LP mode ; 120 min. with DVM80
CAMERA	PICK-UP ELEMENT: CCD (Charge Coupled Device)
	STANDARD ILLUMINATION: 1,400 lx
	MINIMUM REQUIRED ILLUMINATION: 8 lx (Low Light Mode)
	LENS: 12 : 1 Power Zoom, Auto Iris, F1.6, Macro (Full Range AF) Focal Length; 3.55-42.6 mm Filter Diameter; 43.0 mm
	IMAGE SENSOR: 1/4-inch 3 CCD Image Sensor (Effective Pixels: 360k x 3, Total: 570k x 3)
	FINDER: Colour Electronic Finder 2.5-inch Colour LCD Monitor
VIDEO	RECORDING FORMAT: Digital Component
	TELEVISION SYSTEM: CCIR; 625 Lines, 50 Fields PAL Colour Signal
	VIDEO OUTPUT LEVEL: 1.0 Vp-p, 75Ω S-VIDEO OUTPUT LEVEL: Y; 1.0 Vp-p, 75Ω C; 0.3 Vp-p, 75Ω VIDEO INPUT LEVEL: 1.0Vp-p, 75Ω S-VIDEO INPUT LEVEL: Y; 1.0 Vp-p, 75Ω C; 0.3 Vp-p, 75Ω
Card Memory Functions	Recording Media: MultimediaCard, SD Memory Card Image Compression: JPEG

ITEM	SPECIFICATION
AUDIO	RECORDING FORMAT: PCM Digital Recording; 16 bit (48 kHz/2 ch) 12 bit (32 kHz/4 ch)
	MIC IN LEVEL: -50 dBV (0dB = 1V/Pa, 1kHz) (Stereo mini jack) OUTPUT LEVEL: 316 mV, 600Ω INPUT LEVEL (LINE): 316 mV,10kΩ or more
DIGITAL STILL PICTURE	Digital Still Picture Output, Control Signal Input / Output (Transfer rate: max. 115 kbps)
DIGITAL INTERFACE	DV Input/Output Terminal (i. LINK, 4 pin)
MICROPHONE	Stereo
SPEAKER	1 round speaker ϕ20 mm
OPERATING TEMPERATURE	0-40 °C
OPERATING HUMIDITY	10-80 %
WEIGHT	Approx. 700 g (without Battery Pack)
DIMENSIONS	Approx. 75 (W) x 113 (H) x 192 (D) mm
STANDARD ACCESSORIES	1 pc. AC Adaptor 1 pc. Battery Pack Unit 1 pc. S-VIDEO Cable 1 pc. Shoulder Strap 1 pc. DC Input Cable 1 pc. AC Mains Cable 1 pc. AV Cable 1 pc. Remote Controller 1 pc. Bottom-type Battery 1 pc. Cassette; NV-MX300EN 1 pc. Head Cleaner 1 pc. Hood Strap 1 pc. Hood Cap Unit 1 pc. MMC Unit 1 pc. Conversion Adaptor 1 pc. SD/MMC External Drive 1 pc. Application Soft

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. INTRODUCTION

1.1. INTRODUCTION1

This service manual contains technical information which will allow service personnel's to understand and service this model.Please place orders using the parts list and not the drawing reference numbers.
If the circuit is changed or modified, this information will be followed by supplement service manual to be filed with original service manual.

Note 1:
These movie camera uses AC Adaptor is VSK0592.
The service manual for AC Adaptor is separate volume.
Order number for AC Adaptor-----VSK0592 : VMD0009025C8

Note 2:
This service manual does not contain the following information, because of the impossibility of sevicing at component level.

1. Schematic Diagram, Block Diagram and C.B.A. layout of VTR Main C.B.A./ Camera Main C.B.A.

2. Parts List for individual parts of VTR Main C.B.A./ Camera Main C.B.A.

3. Exploded View and Parts List for individual parts of Mechanism Unit.

When a part replacement is required for repairing Main C.B.A. and/ or mechanism block, replace the assembly parts. (VTR Main C.B.A./ Camera Main C.B.A. and/ or Mechanism Unit)
The following circuits are contained in VTR Main C.B.A.

1. Main Connection Circuit

2. Drive Circuit

3. AV Driver Circuit

4. Video 1 Circuit

5. Video 2 Circuit

6. Video 3 Circuit

7. Control Circuit

8. DSC Circuit

9. Digital Interface Circuit

10. Ex Input Circuit

11. LCD Circuit

12. Head/ Rec Amp Circuit

The following circuits are contained in Camera Main C.B.A.

1. Sub Connection Circuit

2. Lens Drive Circuit

3. Process Circuit

2. CAUTION FOR AC CORD (VJA0940 TYPE)

2.1. INFORMATION FOR YOUR SAFETY

IMPORTANT
Your attention is drawn to the fact that recording of pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

WARNING

To reduce the risk of fire or shock hazard, do not expose this equipment to rain or moisture.

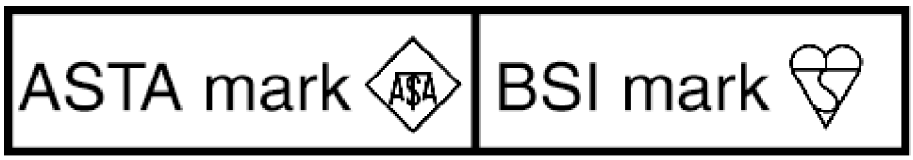
CAUTION

To reduce the risk of fire or shock hazard and annoying interference, use the recommended accessories only.

FOR YOUR SAFETY
DO NOT REMOVE THE OUTER COVER
To prevent electric shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

2.2. CAUTION FOR AC MAINS LEAD

For your safety, please read the following text carefully.
This appliance is supplied with a moulded three-pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amperes and it is approved by ASTA or BSI to BS1362
Check for the ASRA mark or the BSI mark on the body of the fuse.



If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.
If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be removed and the plug cut off and disposed of safety.
There is a danger of severe electrical shock if the cut off plug is inserted into any 13-ampere socket.
If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt, please consult a qualified electrician.

2.2.1. Important

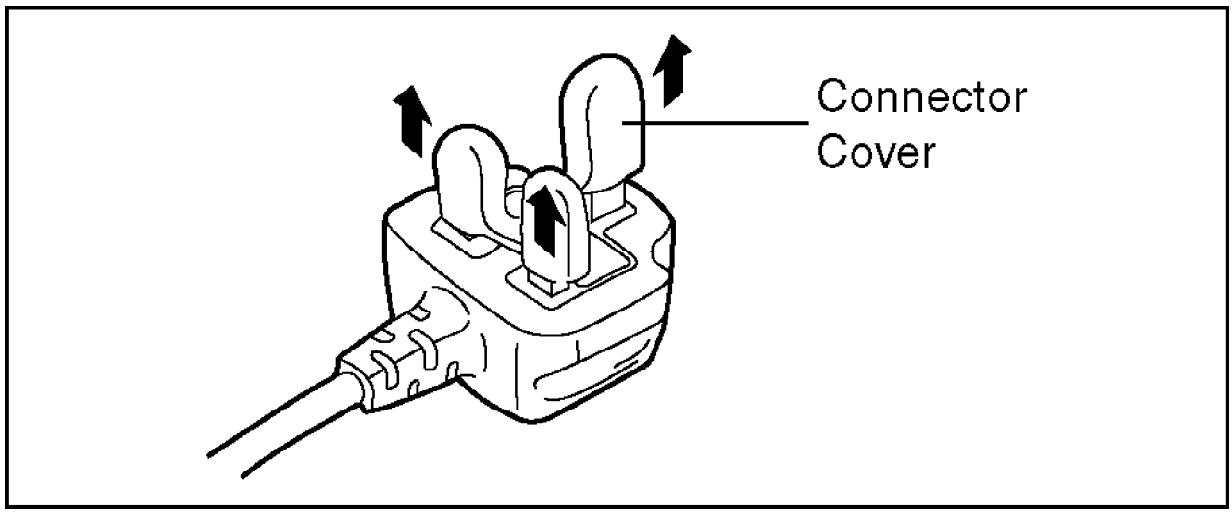
The wires in this mains lead are coloured in accordance with the following code:

Blue	**Neutral**
Brown	**Live**

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.
Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol.

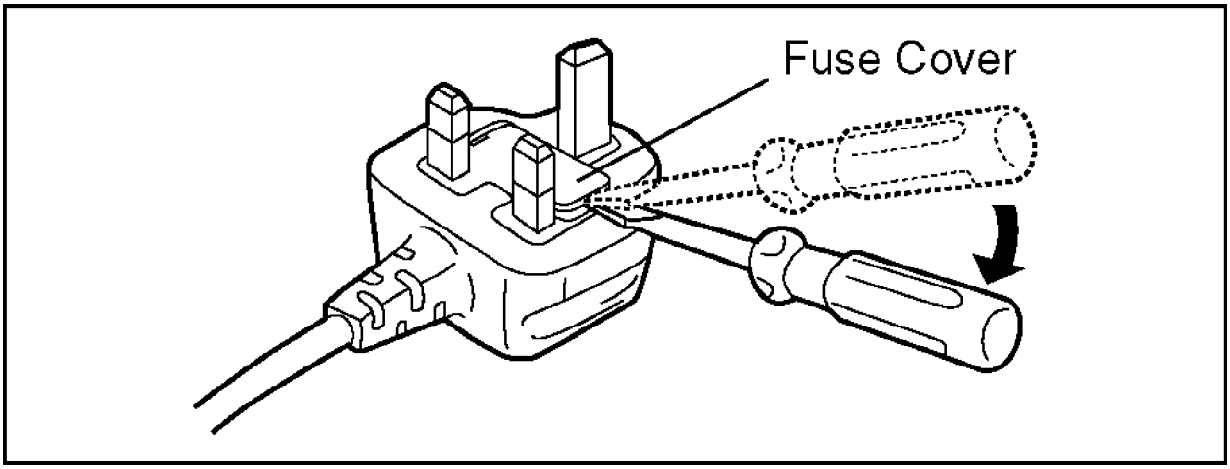
2.2.2. Before use

remove the Connector Cover as follows.

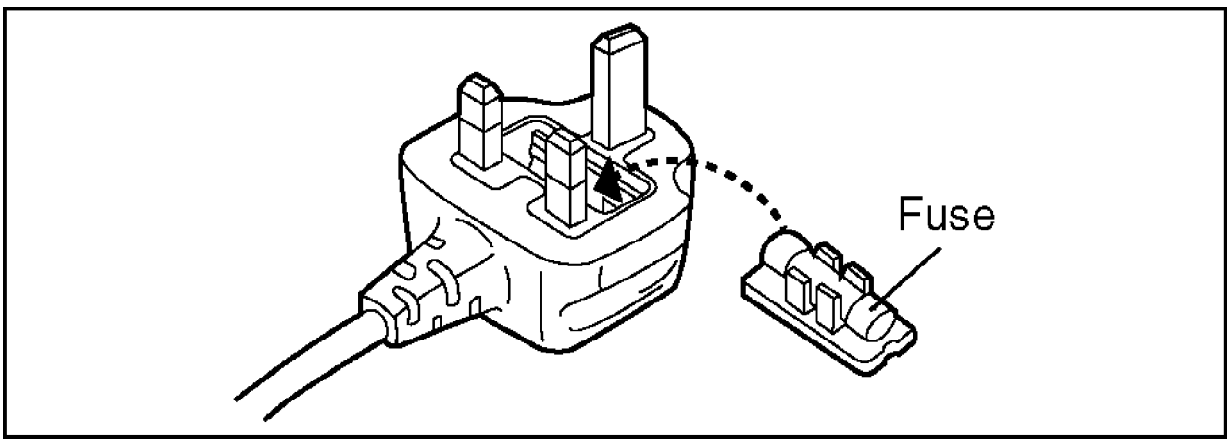


2.2.3. How to replace the Fuse

1. Remove the Fuse Cover with a screwdriver.



2. Replace the fuse and attach the Fuse cover.



3. SERVICE CAUTION

3.1. EEPROM DATA FOR SPARE PARTS OF THE VTR MAIN C.B.A.

When the VTR Main C.B.A. is replaced, the fixed and average data must be changed by Tatsujin kit according to the Movie Camera's suffix.
Then, confirm and/or adjust the VTR and Camera adjustment one by one.

3.2. SERVICE EXTENSION CABLES.

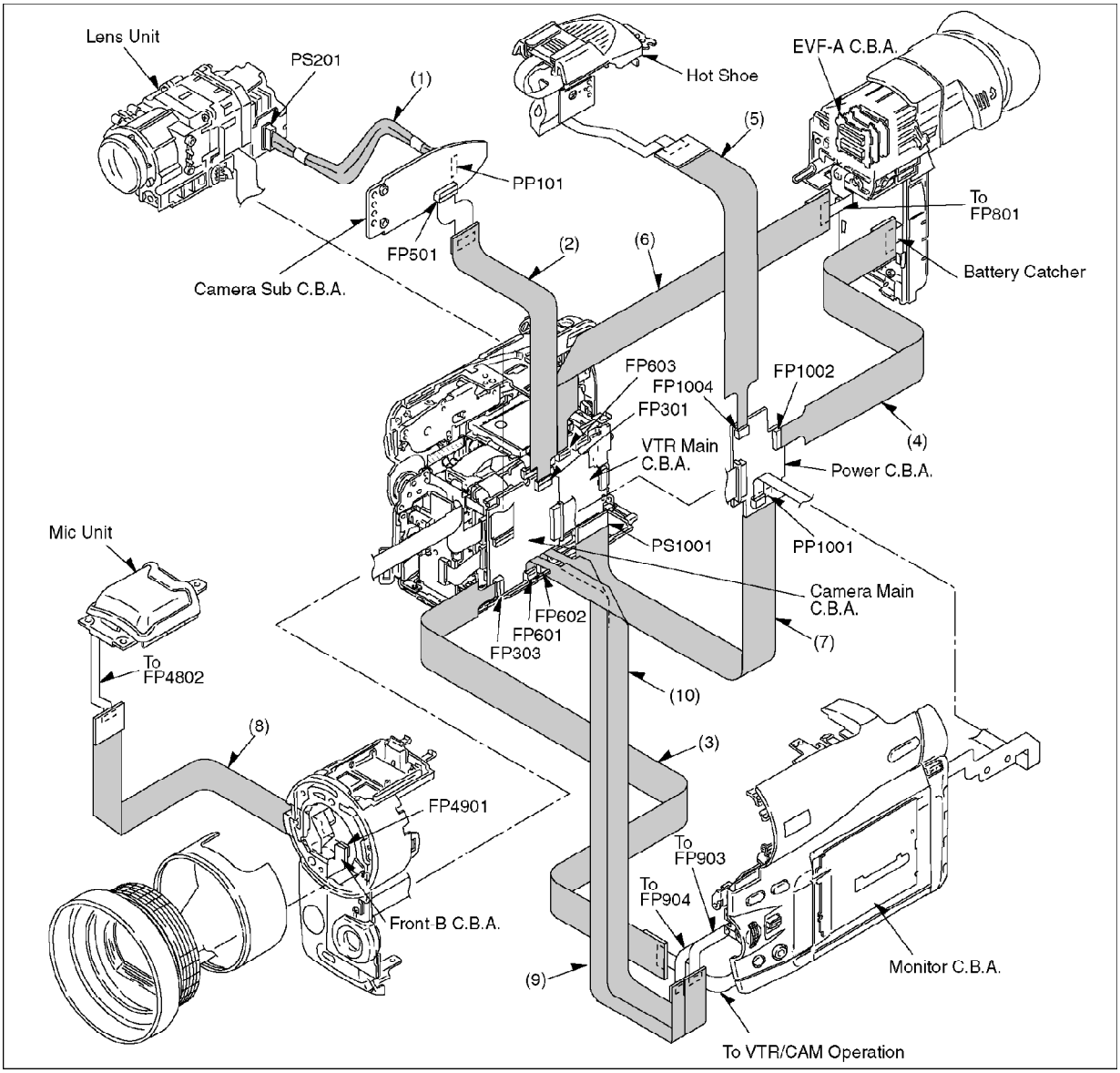
This models is required the following extension cables for all connections.

Note 1:
Use the following extension cables when checking or adjusting individual circuit boards except module Parts. (VTR Main C.B.A., Camera Main C.B.A. and Mechanism Unit)

Ref.	Part No.	Pin	Part Name	Connection	Q'ty	Remarks
(1)	VFK1389	26	Extension Cable	PP101(Camera Sub) - PS201(CCD)	1	As NV-DX1
(2)	VFK1575C3320	33	Flat Cable	FP501(Camera Sub) - FP301(Camera Main)	1	As NV-MX
(3)	VFK1388	12	Flat Cable	FP303(Camera Main) - VTR/CAM Operation	1	As NV-DX1
(4)	VFK1173	14	Flat Cable	FP1002(Power) - Battery Catcher	1	As NV-DX
(5)	VFK1440	10	Flat Cable	FP1004(Power) - Hot Shoe	1	As NV-DS7
(6)	VFK1442	21	Flat Cable	FP603(Main) - FP801(EVF-A)	1	As NV-DS7
(7)	VFK1513	80	Flat Cable	PS1001(Main) - PP1001(Power)	1	As NV-EX
(8)	VFK1480	6	Flat Cable	FP4901(Front-B) - FP4802(Mic)	1	As NV-EX
(9)	VFK1452	17	Flat Cable	FP602(Camera Main) - FP904(Monitor)	1	As NV-DS7
10)	VFK1442	21	Flat Cable	FP601(Camera Main) - FP903(Monitor)	1	As NV-DS7

How to use extension cables.

Fig. T1-1



3.3. LOCATION FOR SPARE CONNECTORS OF THE MAIN C.B.A.

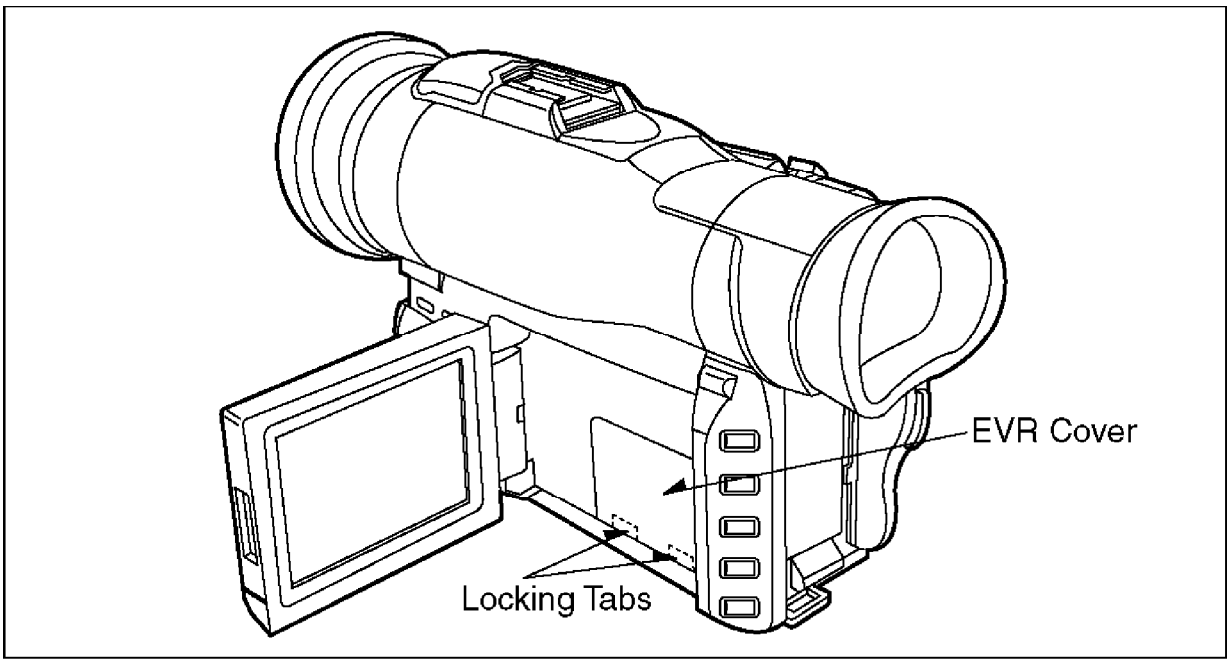
3.3.1. VTR MAIN C.B.A.

3.3.2. CAMERA MAIN C.B.A.

4. PREPARATION FOR ELECTRICAL ADJUSTMENT

1. Unlock the locking tab and remove the EVR connector cover which is located on Battery Catcher Unit as follows.
2. Then connect the following cables as shown in Fig. E2.

Fig. E1



Part No.	Part Name	Q'ty	Remarks
VFK1395	232C(M3)I/F Cable	1	
VFK1308E	Measuring Board	1	
VFK1309	EVR Connector Board	1	
VFK1317	30 Pin Flat Cable	2	
VJA0941	DC Output Cable	1	For AC Adaptor
VFK1164TARSA	Setup Ring	1	For Collimator
VFK1309EX	Connection Adaptor	1	

Fig. E2

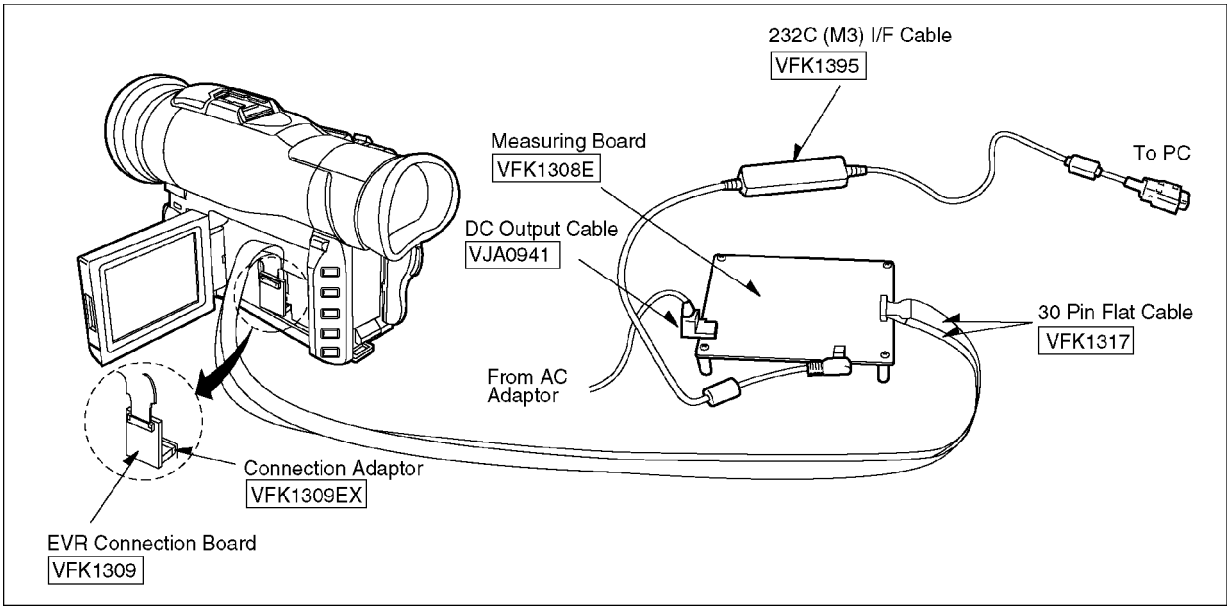
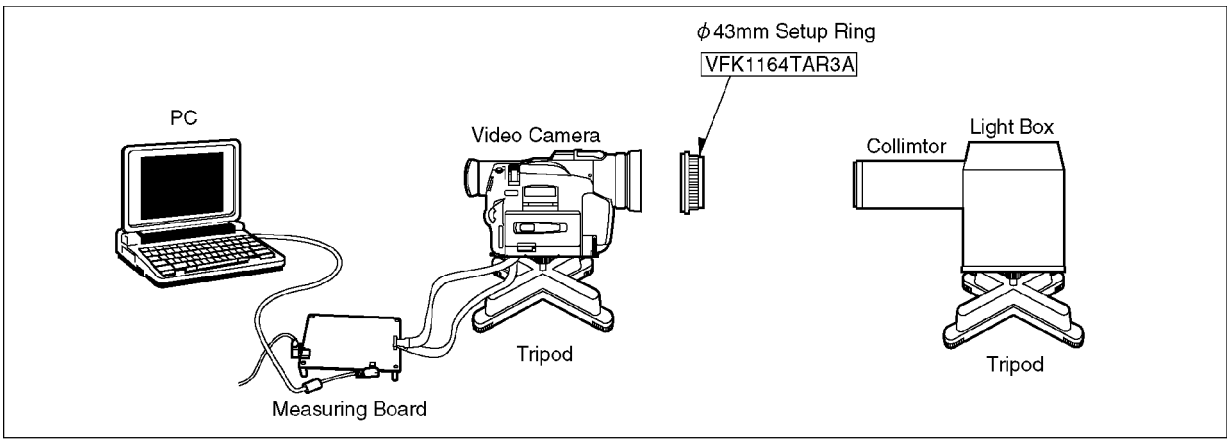
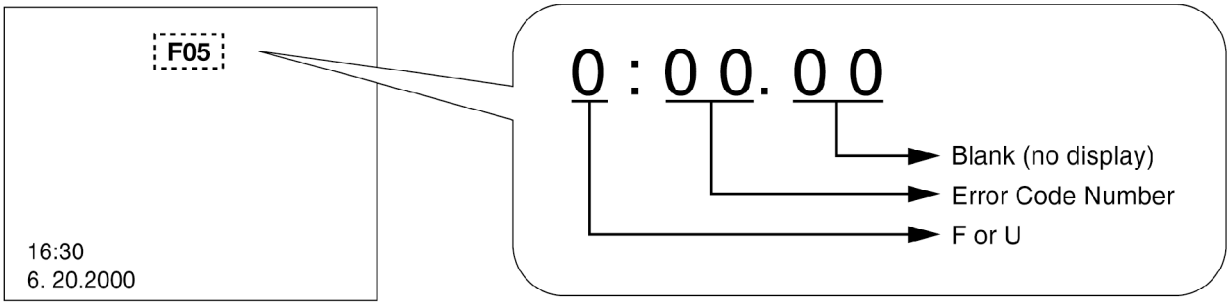


Fig. E3



5. SERVICE MODE

When undesirable conditions occurred, the error code is displayed on the EVF or LCD Monitor.
Also, the Camera LED is flashed according to the error code as follows.



EVF or LCD Monitor

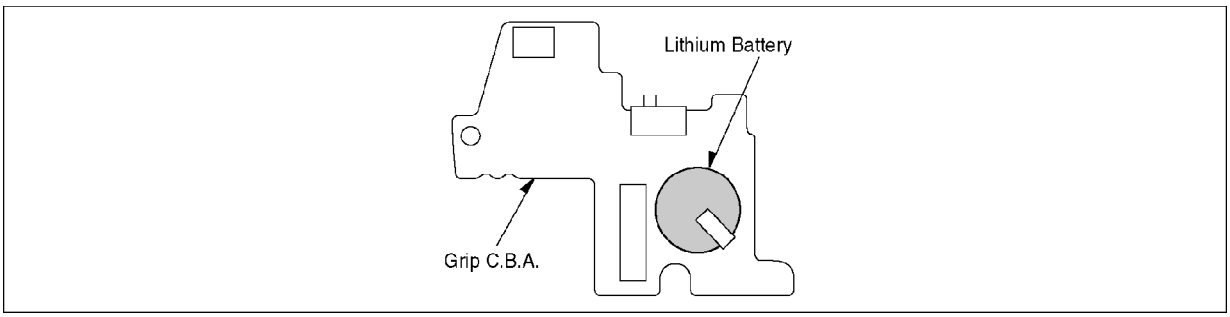
DISPLAY	CONDITION	POWER OFF TIMING / POWER LED FLASHING TIMING
F01	T-Reel Lock	After 1 minute flashing the LED
F02	S-Reel Lock	After 1 minute flashing the LED
F03	Unloading Lock	After 1 minute flashing the LED
F04	Loading Lock	After 1 minute flashing the LED
F05	Cylinder Lock	After 1 minute flashing the LED
F31	Data Transmission Error	Not turning OFF
F51	Focus Motor Lock	Not turnig OFF Power LED is flashed at 1 Hz timing
F52	Zoom Motor Lock	Not turnig OFF Power LED is flashed at 1 Hz timing
F53	OIS Lock 1 (Sensor)	Not turning OFF
F54	OIS Lock 2 (Actuator)	Not turning OFF
U10	Dew Detection	After 18 seconds flashing the LED Power LED is flashed at 1 Hz timing
U11	Head Clogging	Not turning OFF

6. HOW TO REPLACE THE LITHIUM BATTERY (PROCEDURE)

1. Remove the Grip C.B.A. from Side Case (L) (Refer to Disassembly Procedures.)

2. Unsolder the Lithium Battery“VSB0407” and then replace the new one. (See Fig. B1.)

Fig. B1



Note:
The lithium battery is a critical component. (Type No.: VSB0407 Manufactured by Panasonic.)
It must never be subjected to excessive heat or discharge.
It must therefore only be fitted in equipment designed specifically for its use.
Replacement batteries must be of the same type and manufacture.
They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.
Do not attempt to re-charge the old battery or re-use it for any other purpose.
It should be disposed of in waste products destined for burial rather than incineration.

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer.
Discard used batteries according to manufacturer's instructions.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens instruktion.

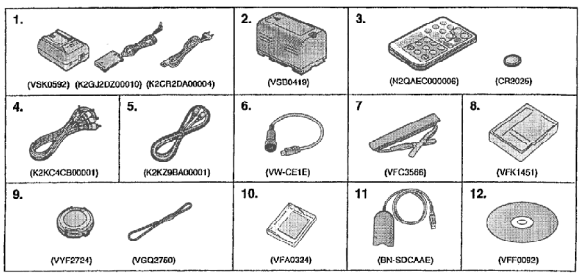
ADVARSEL!

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

VAROITUS

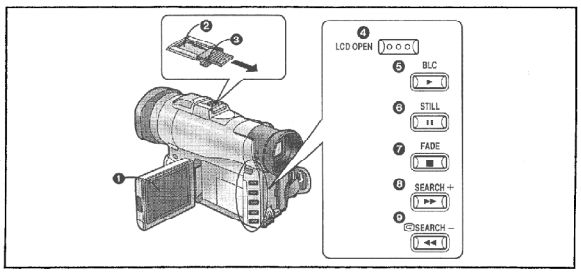
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

7. OPERATING GUIDE



Standard Accessories

1. **AC Adaptor**
   To supply power to the Movie Camera.
   To charge the Battery.
   DC Input Lead and AC Mains Lead
   To connect the AC Adaptor to the Movie Camera and to an AC mains socket.
2. **Battery Pack**
   To supply the Movie Camera with power.
3. **Remote Controller and Button-Type Battery**
4. **AV Cable**
5. **S-Video Cable**
6. **Edit Terminal Conversion Adaptor**
7. **Shoulder Strap**
8. **Digital Video Head Cleaner**
9. **Lens Cap and Lens Cap Cord**
10. **MultiMediaCard**
11. **USB Reader Writer for SD Memory Card**
12. **CD-ROM:**
    USB Reader Writer for SD Memory Card Programme, HotShots and NetCard



Controls and Components

❶ LCD Monitor

Due to limitations in LCD production technology, there may be some tiny bright or dark spots on the LCD Monitor screen. However, this is not a malfunction and does not affect the recorded picture.

❷ Smart Accessory Shoe
The Video Flash (VW-FLH3E: optional) or the Stereo Microphone (VW-VMS2E: optional), etc. can be attached here. Power is supplied directly from the Movie Camera when using an accessory supported by the Smart Accessory Shoe. Remove the Shoe Cover to attach these accessories.
•Do not touch the connector part of the Smart Accessory Shoe.

❸ Shoe Cover
When using the Shoe, remove the Shoe Cover by sliding it in the direction of the arrow.

❹ LCD Monitor Open Button [LCD OPEN]

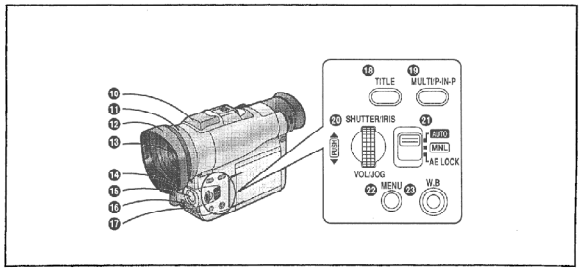
❺ Backlight Button [BLC]
Play Button [▶]

❻ Still Button [STILL]
Pause Button [❚❚]

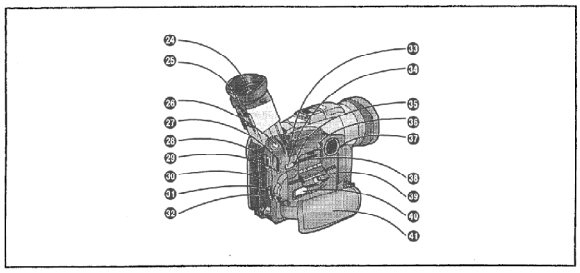
❼ Fade Button [FADE]
Stop Button [■]

❽ Forward Search Button [SEARCH+]
Fast Forward/Cue Button [▶▶]

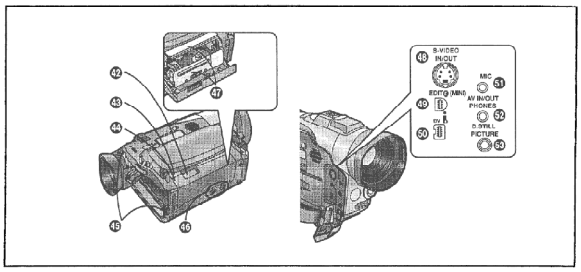
❾ Reverse Search Button [SEARCH–]
Rewind/Review Button [◀◀]
Recording Check Button [⧉]



⑩ Microphone (built-in, stereo)
⑪ Focus Ring
⑫ Lens Hood
⑬ Lens
⑭ White Balance Sensor
⑮ Focus Button [FOCUS]
⑯ Recording Lamp
⑰ Remote Control Sensor
⑱ Title Button [TITLE]
⑲ Multi-Picture Button [MULTI]
Picture-in-Picture Button [P-IN-P]
⑳ Multi-Function Dial [PUSH]
㉑ Mode Selector Switch [AUTO/MNL/AE LOCK]
㉒ Menu Button [MENU]
㉓ White Balance Button [W.B]



㉔ Finder
Due to limitations in LCD production technology, there may be some tiny bright or dark spots on the Finder screen. However, this is not a malfunction and does not affect the recorded picture.
㉕ Eyepiece Corrector Knob
㉖ Photoshot Button [PHOTO SHOT]
㉗ Reset Button [RESET]
㉘ Battery Eject Button [BATTERY EJECT]
㉙ Operation Mode Lamps [CAMERA/VCR/CARD P.B]
㉚ Battery Holder
㉛ Recording Start/Stop Button
㉜ Off/On Mode Selector Switch [OFF/ON/MODE]
㉝ Zoom Lever [W/T]
㉞ Tape/Card Photoshot Selector [TAPE/CARD]
㉟ Card Access Lamp [ACCESS]
㊱ Card Slot Cover Open Lever [OPEN]
㊲ Speaker
㊳ Card Slot
㊴ Card Slot Cover
㊵ Cassette Compartment Window
㊶ Grip Belt



㊷ Cassette Eject Lever [OPEN/EJECT]
㊸ Upper Cassette Compartment Cover
㊹ Lower Cassette Compartment Cover
㊺ Shoulder Strap Holders
㊻ Tripod Receptacle
To mount the Movie Camera on an optional tripod.
㊼ Cassette Holder
㊽ S-Video Input/Output Socket [S-VIDEO IN/OUT]
Connect the S-VIDEO Cable to this socket to record clearer pictures or view on the TV screen.
㊾ Edit Socket [EDIT (MINI)]
㊿ DV Terminal (i.LINK) [i]
Connect it to digital video equipment.
"i.LINK" is the name of the connector in accordance with the IEEE1394-1995.
"i" is the logo marked on products conforming with the "i.LINK" specifications.
(51) Microphone Socket [MIC]
To connect an external microphone or audio equipment. (Connecting to this socket deactivates the built-in microphone.)
(52) Audio-Video Input/Output Socket [AV IN/OUT]
Headphone Socket [PHONES]
When a cable is connected to this socket, the Movie Camera's built-in speaker is turned off.
(53) Digital Still Picture Terminal [D.STILL PICTURE]

8. ADJUSTMENT PROCEDURES

8.1. DISASSEMBLE FLOW CHART

This flow chart indicates the disassembly steps the cabinet parts, C.B.A. and Mecha. Unit in order to access to be serviced. When reinstalling, perform the steps in the reverse order.

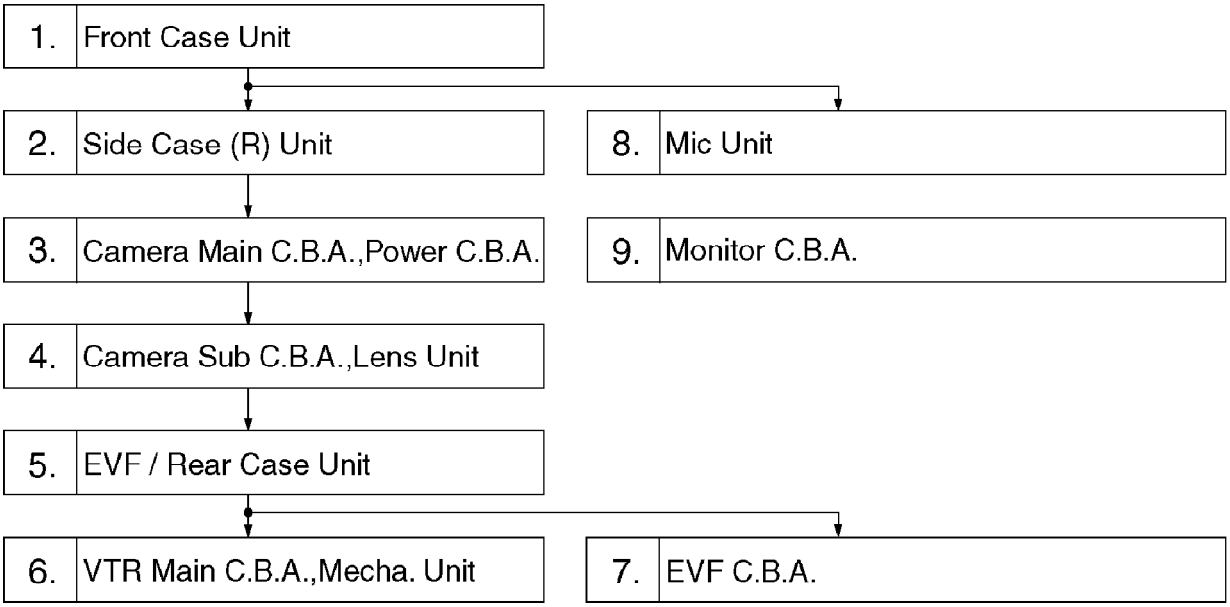
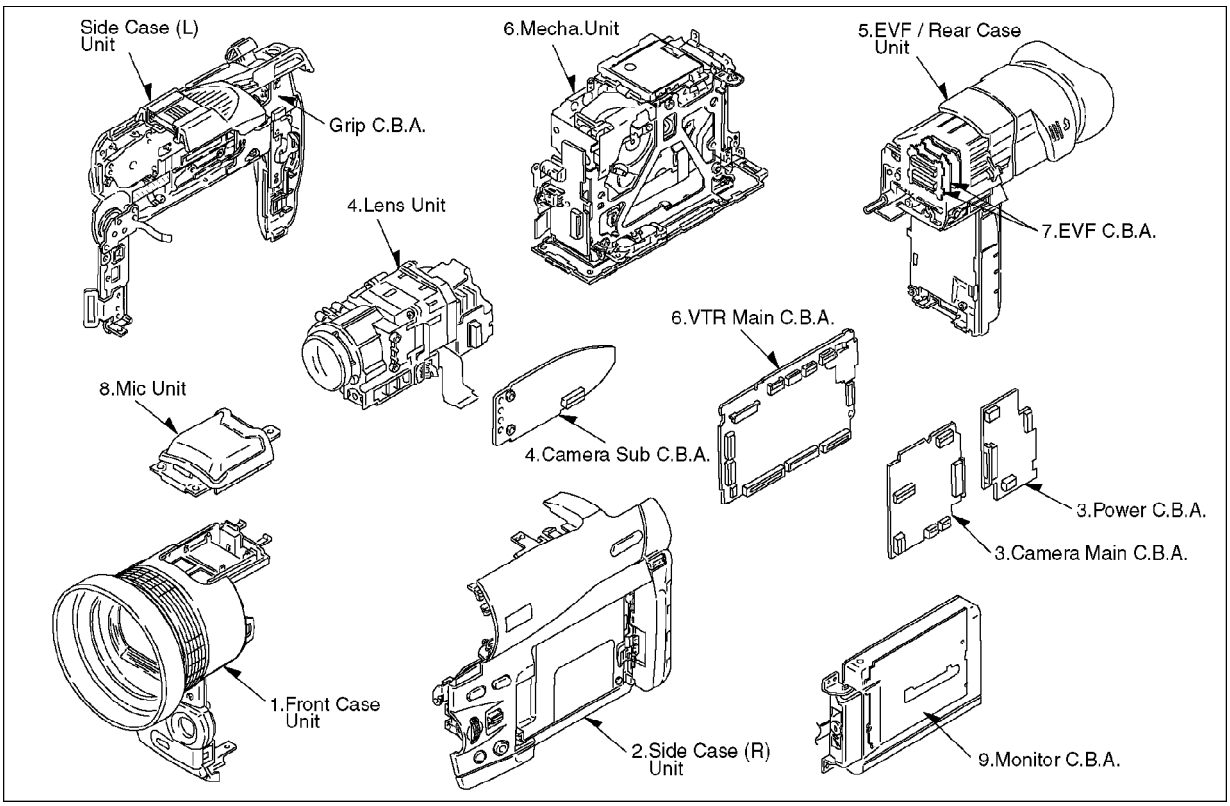

1. Front Case Unit
2. Side Case (R) Unit
8. Mic Unit
3. Camera Main C.B.A.,Power C.B.A.
9. Monitor C.B.A.
4. Camera Sub C.B.A.,Lens Unit
5. EVF / Rear Case Unit
6. VTR Main C.B.A.,Mecha. Unit
7. EVF C.B.A.

Fig. F1



8.2. DISASSEMBLY PROCEDURES

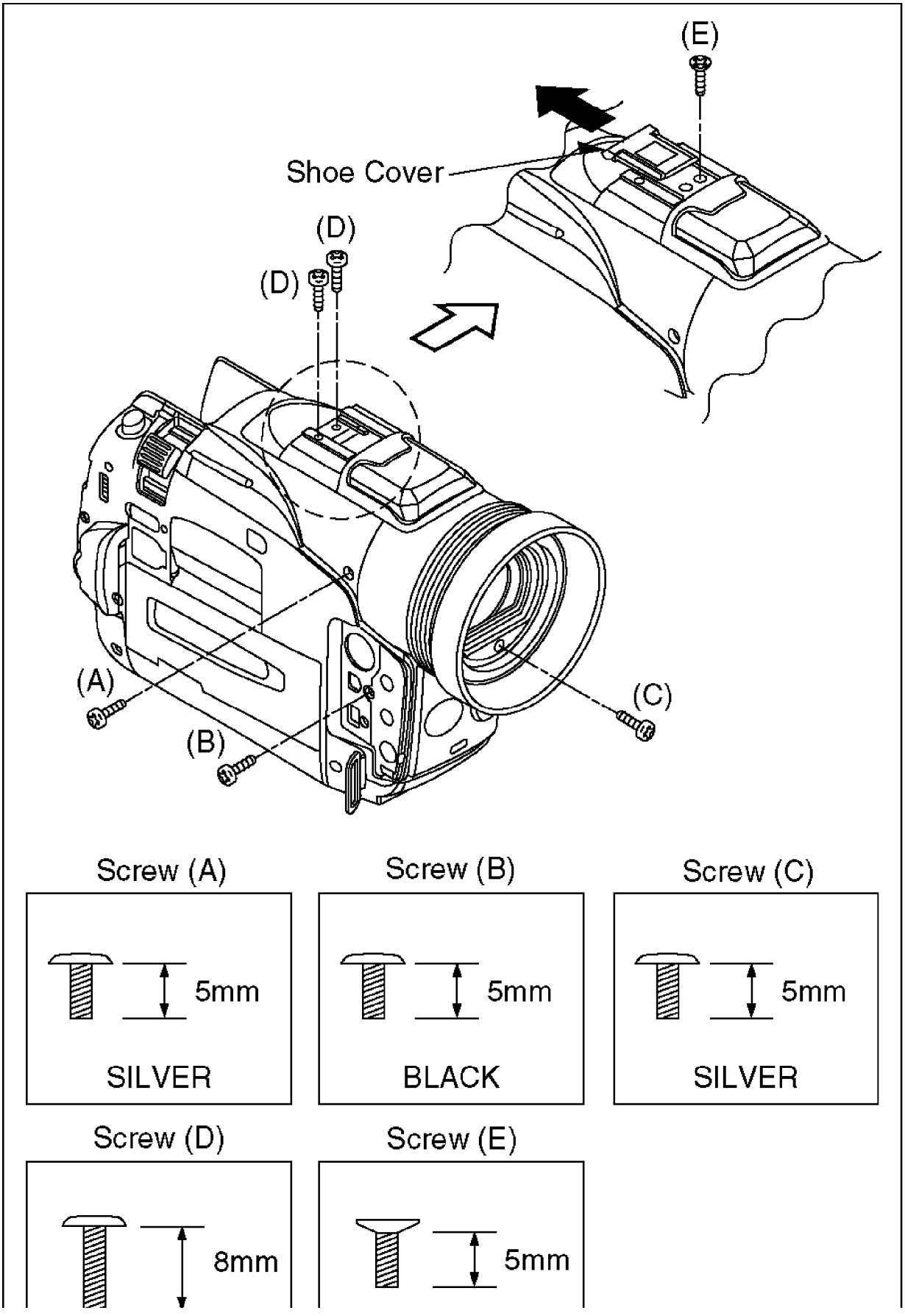
Flow-Chart for Disassembly Procedure

No.	Item/Part	Fig.	Removal(Screw& Other)
(1)	Front Case Unit	Fig. 1	5-Screws (A/B/C/D) Slide the Shoe Cover. 1-Screw (E)
		Fig. 2	2-Screws (F) Disconnect the FP4903. Unlock---(a) Remove the Front Case Unit.
(2)	Side Case (R) Unit	Fig. 3	7-Screws (G/H/I) Unlock---(b) Disconnect the following connectors. FP601/FP602/FP303/FP1003 Remove the Side Case (R) Unit.
(3)	Camera Main C.B.A., Power C.B.A.	Fig. 4	1-Screw(J) Disconnect the following connectors. FP301/FP302/PP301/FP701 Remove the Camera Main C.B.A.. Disconnect the following connectors. FP1002/FP1004/PP1001 Removethe Power C.B.A..
(4)	Camera Sub C.B.A., Lens Unit	Fig. 5	1-Screw(K) Disconnect the PP101. 2-Screws(L) Remove the Lens Unit.
(5)	EVF/Rear Case Unit	Fig. 6	5-Screws(M/N) Disconnect the FP603. Unlock---(c) Remove the EVF/Rear Case Unit.

No.	Item/Part	Fig.	Removal(Screw& Other)
(6)	VTR Main C.B.A., Mecha. Unit	Fig. 7	3-Screws(O/P) Disconnect the following connectors. FP2205/FP3401/FP4002
		Fig. 8	Cassette Cover open.
		Fig. 7	Remove the Mecha. Unit& VTR Main C.B.A..
		Fig. 9	Disconnect the following connectors. FP5001/FP2202/FP2203/ FP2201/ FP2204 Unlock---(d) Remove the VTR Main C.B.A.. 3-Screws(Q) Remove theMecha. Frame Unit.
(7)	EVF C.B.A.	Fig. 10	1-Screw(R) Remove the EVF Flex. Barrier. 2-Screws(S) Remove the EVF U from Rear Case Unit.
		Fig. 11	Remove the Window Cover. 2-Screws(T). Remove the Eyecup Unit. Unlock---(e) Remove the EVF Slide Case. 2-Screws(U). Remove the Holder Piece Protect Cover.
		Fig. 12	Remove the EVF Slide Angle Unit. 4-Screws(V) Remove the EVF Hinge.
		Fig. 13	Remove the EVF (1) Unit.
		Fig. 14	Unlock---(f) Remove the EVF (A) C.B.A..
		Fig. 15	Unlock---(g) Remove the EVF (B) C.B.A..

No.	Item/Part	Fig.	Removal(Screw& Other)
(8)	Mic Unit	Fig. 16	3-Screws(W) Disconnect the FP4902. Remove the MF Unit.
		Fig. 17	Remove the Front Decoration.
		Fig. 18	Disconnect the FP4901. Remove the Protect Sheet. 2-Screws(X)
(9)	Monitor C.B.A.	Fig. 19	3-Screws(Y/Z) Remove the LCD Case (Upper) Unit. 1-Screw(a) Disconnect the following Conectors. FP905/FP904/FP903/FP901 Unsolder read wire. Unlock---(h) Removethe Monitor C.B.A./ Hall Sensor Flex. C.B.A./Back Light Unit.

Fig. 1


(E)
Shoe Cover
(D)
(D)
(A)
(B)
(C)
Screw (A)
5mm
SILVER
Screw (B)
5mm
BLACK
Screw (C)
5mm
SILVER
Screw (D)
8mm
Screw (E)
5mm

SILVER
SILVER

Fig. 2

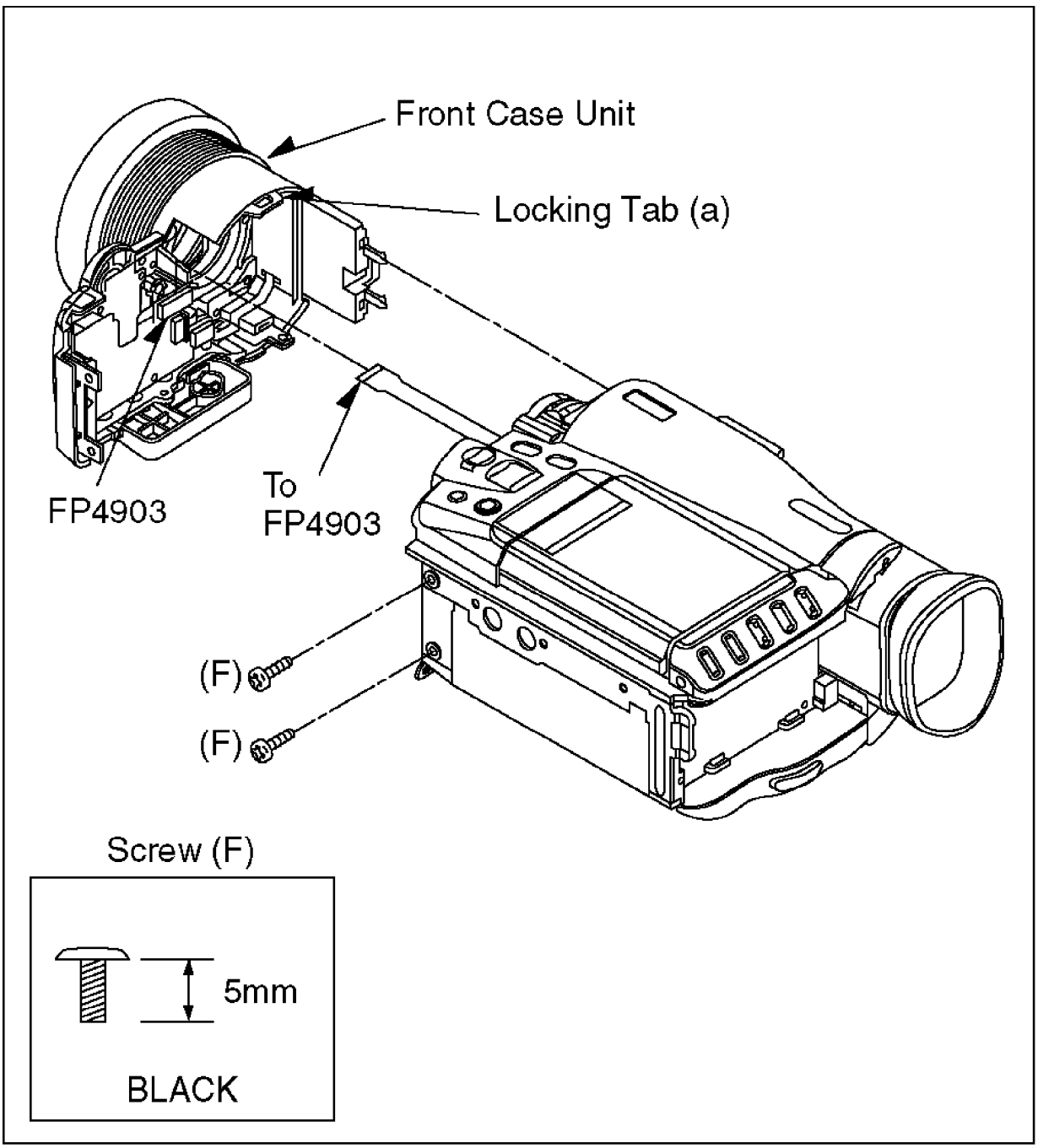

Front Case Unit
Locking Tab (a)
FP4903
To
FP4903
(F)
(F)
Screw (F)
5mm
BLACK

Fig. 3

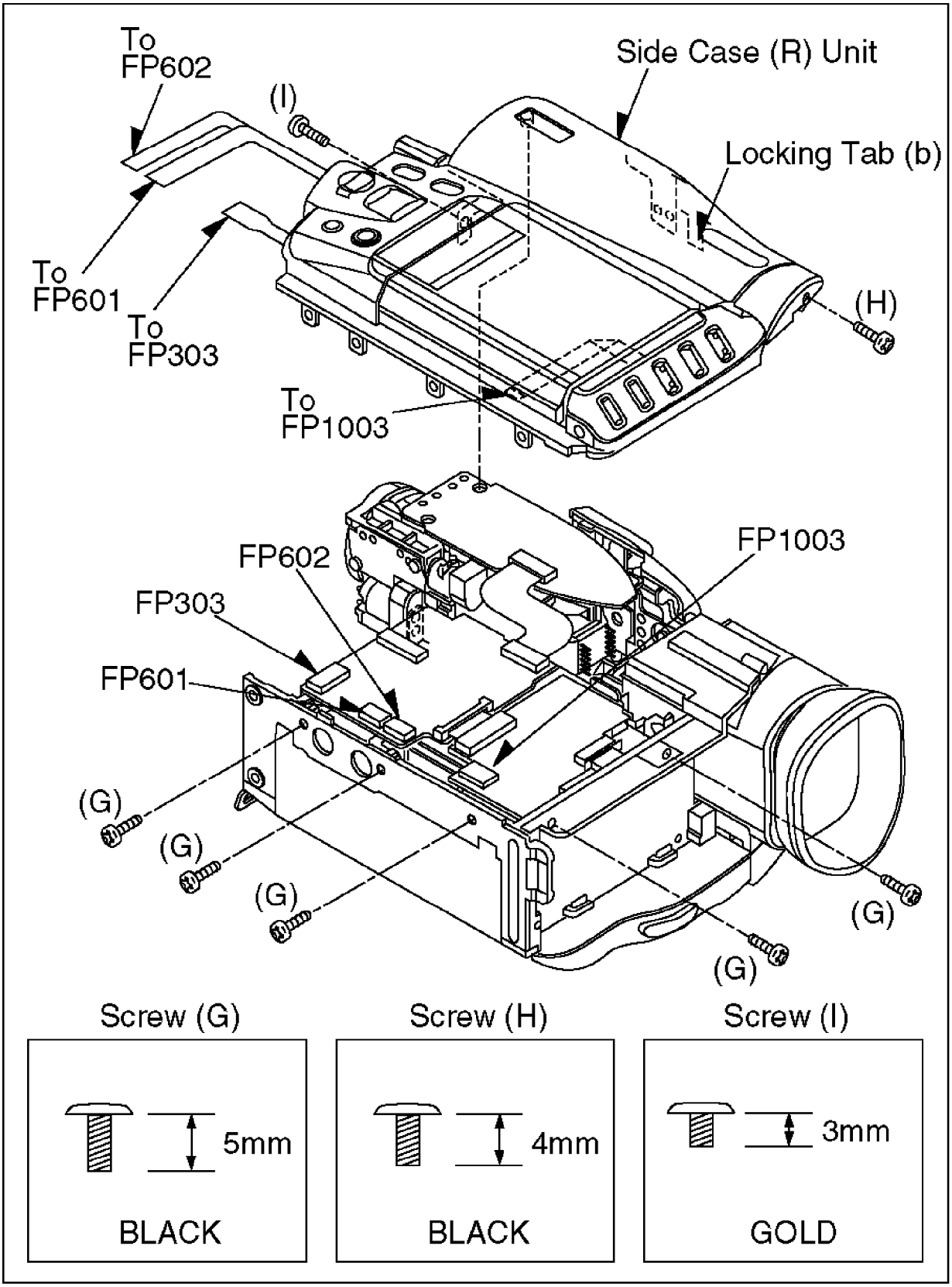

To
FP602
(I)
Side Case (R) Unit
Locking Tab (b)
To
FP601
To
FP303
(H)
To
FP1003
FP602
FP1003
FP303
FP601
(G)
(G)
(G)
(G)
(G)
Screw (G)
Screw (H)
Screw (I)
5mm
4mm
3mm
BLACK
BLACK
GOLD

Fig. 4

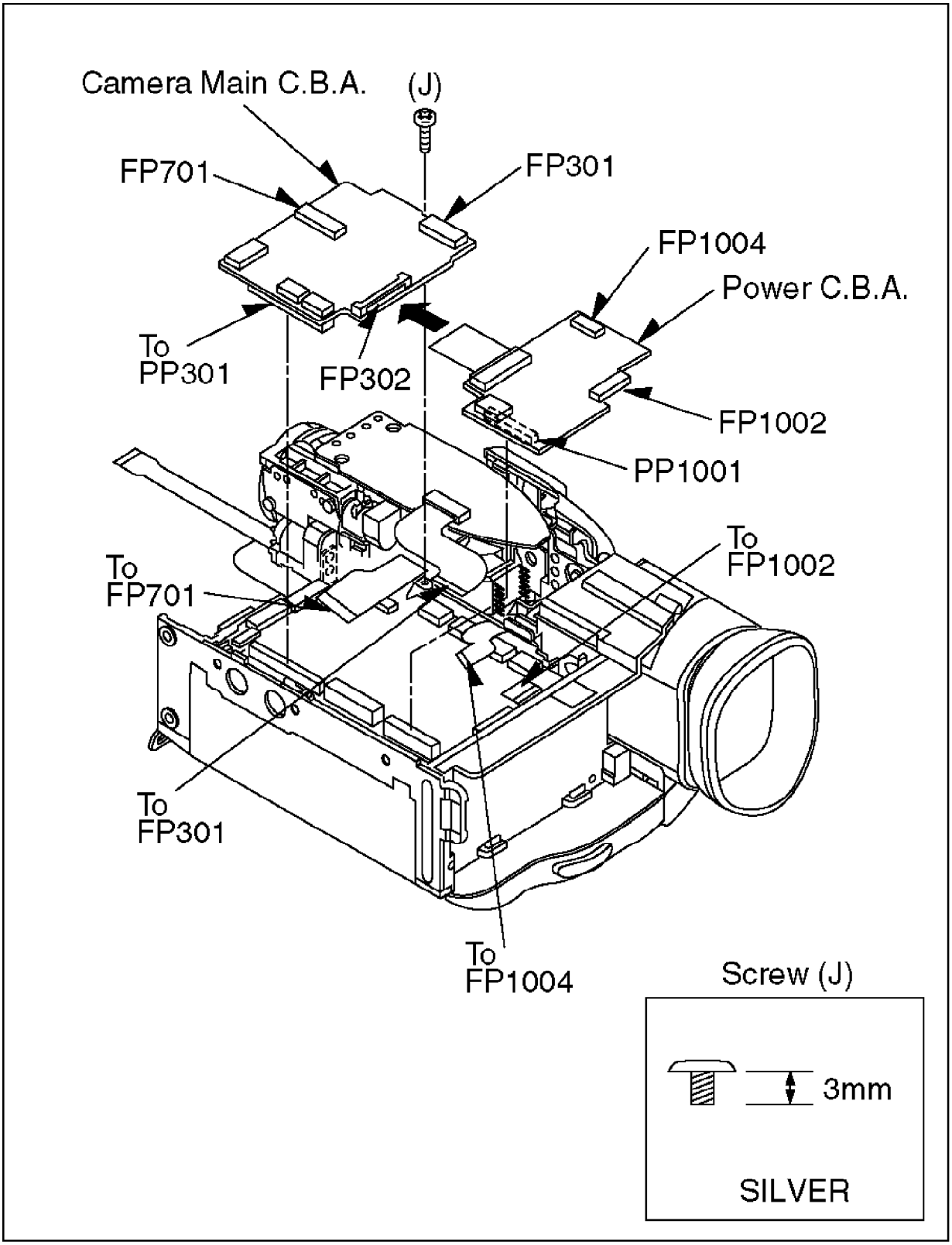
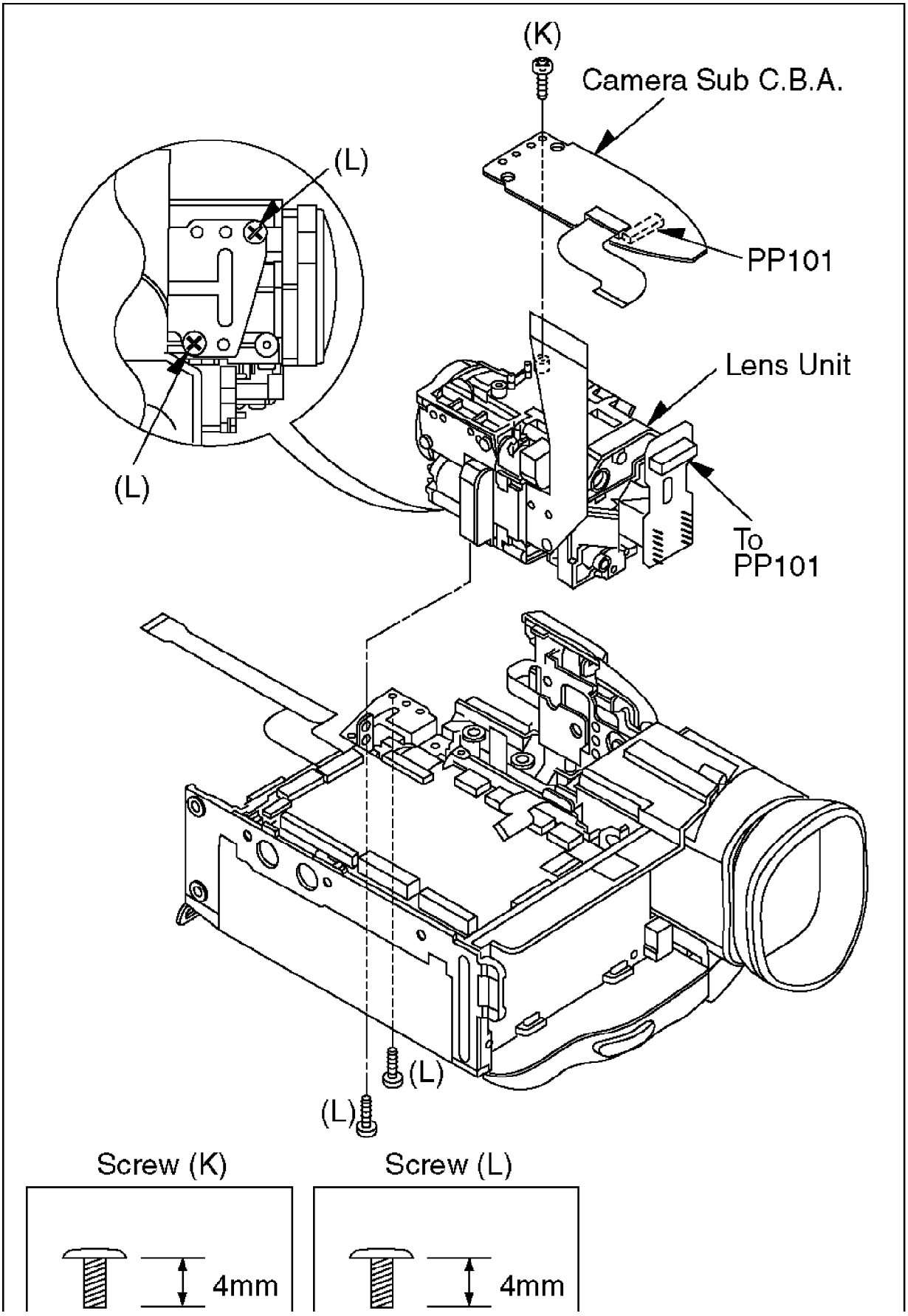

Camera Main C.B.A.
(J)
FP701
FP301
FP1004
Power C.B.A.
To
PP301
FP302
FP1002
PP1001
To
FP1002
To
FP701
To
FP301
To
FP1004
Screw (J)
3mm
SILVER

Fig. 5


(K)
Camera Sub C.B.A.
(L)
PP101
Lens Unit
(L)
To
PP101
(L)
(L)
Screw (K)
Screw (L)
4mm
4mm

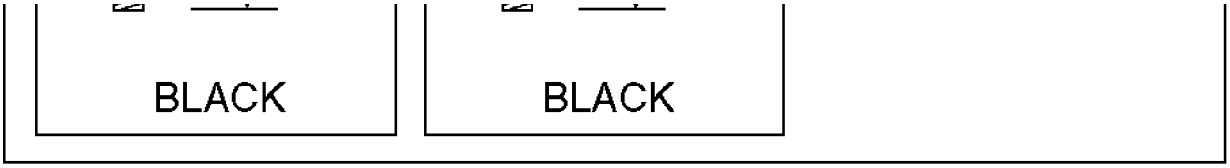
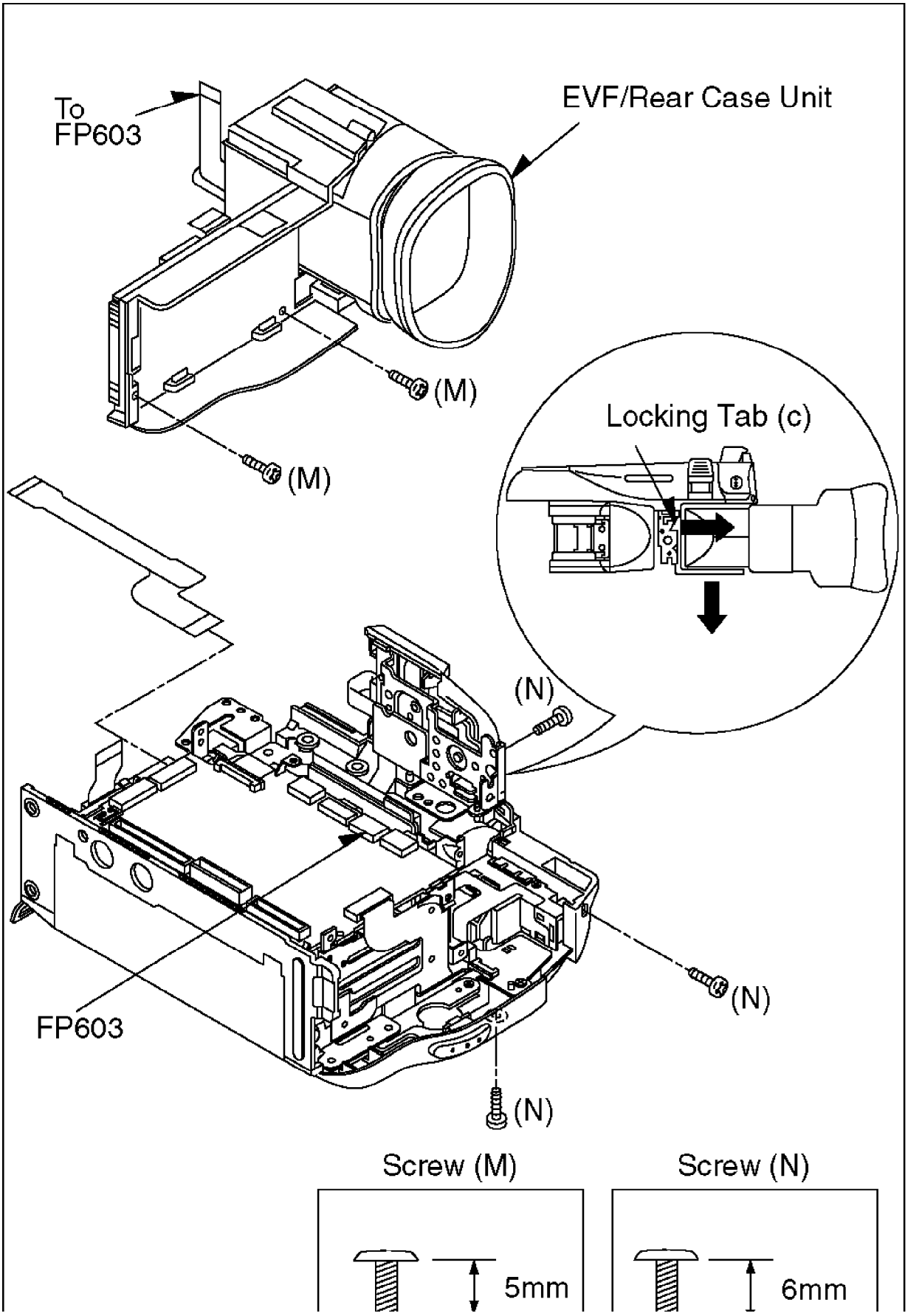


Fig. 6


To
FP603
EVF/Rear Case Unit
(M)
(M)
Locking Tab (c)
(N)
FP603
(N)
(N)
Screw (M)
Screw (N)
5mm
6mm

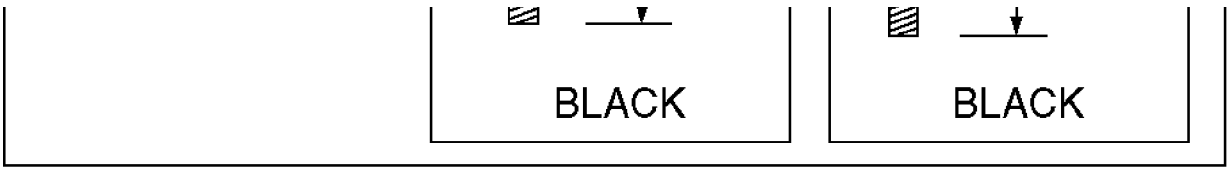
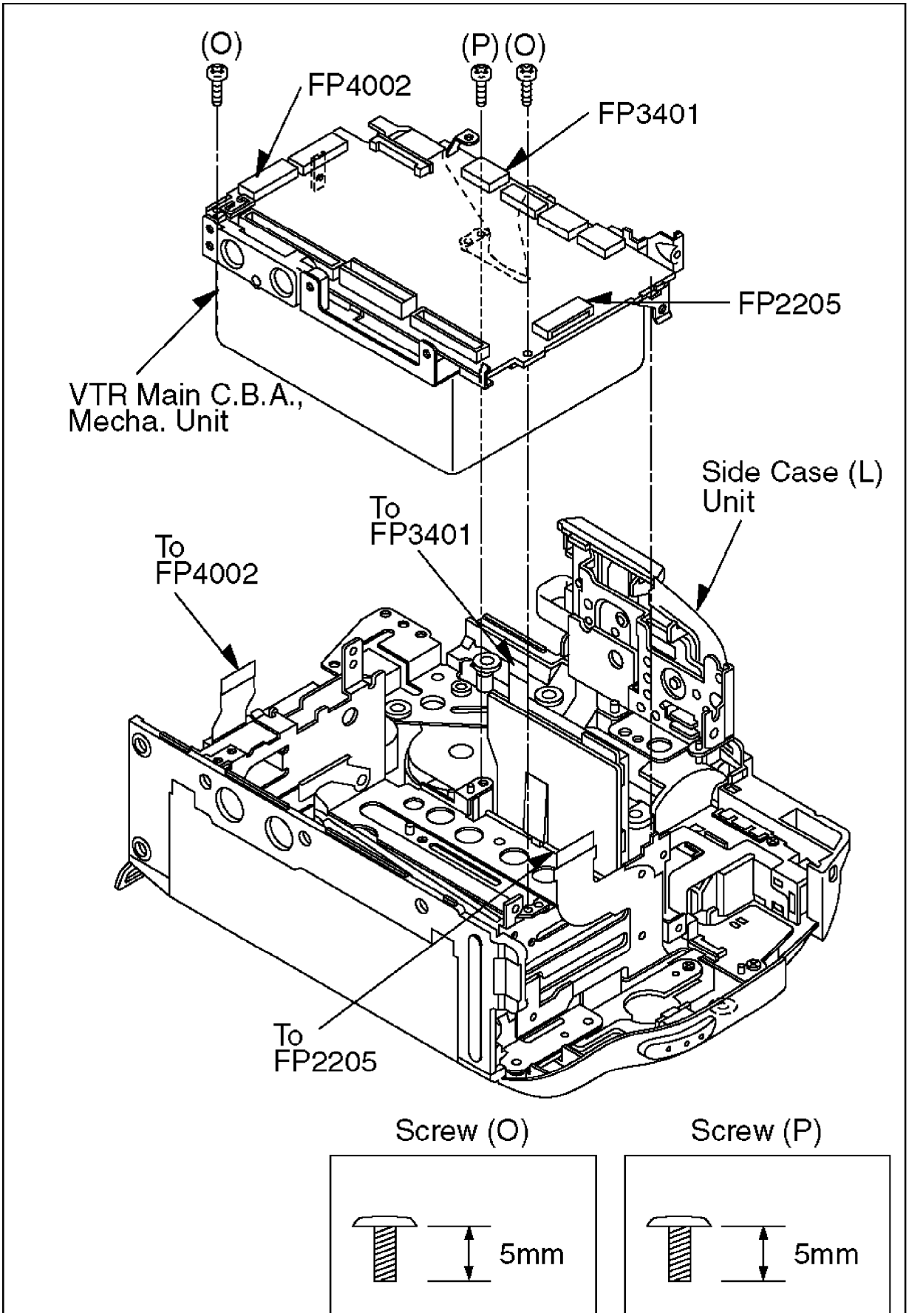


Fig. 7


(O)
(P)
(O)
FP4002
FP3401
FP2205
VTR Main C.B.A.,
Mecha. Unit
Side Case (L)
Unit
To
FP3401
To
FP4002
To
FP2205
Screw (O)
Screw (P)
5mm
5mm

	BLACK	BLACK

Fig. 8

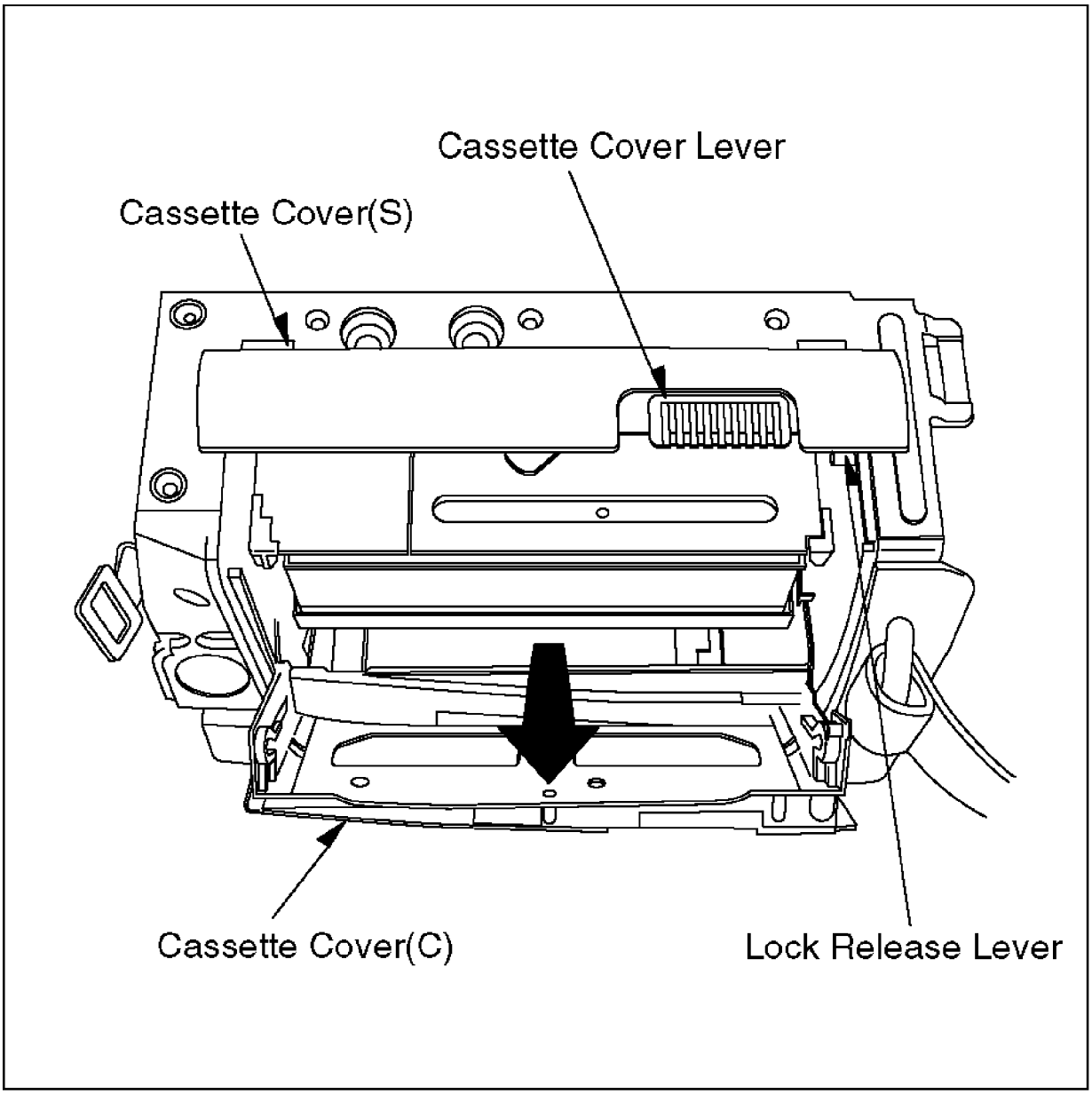


Fig. 9

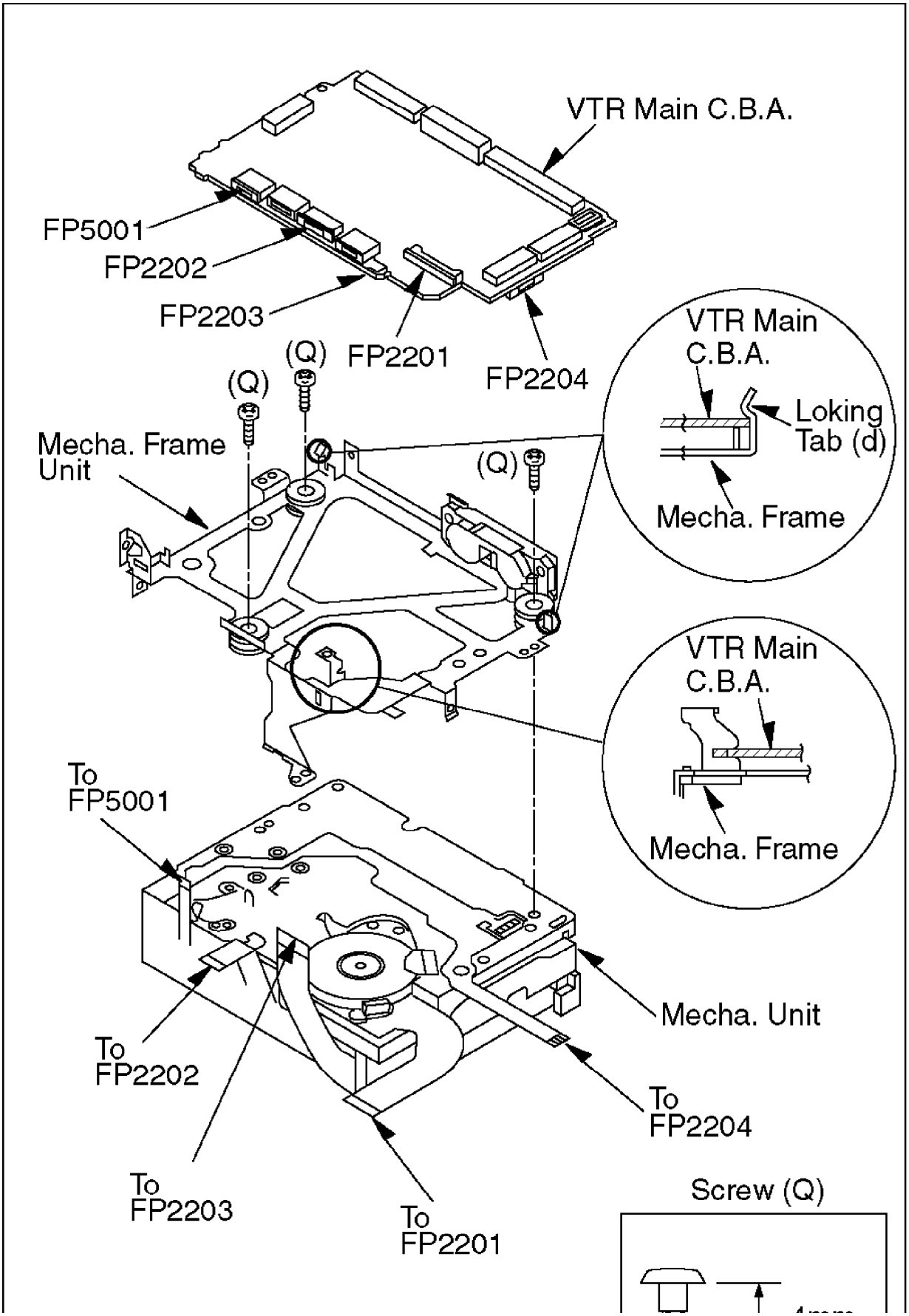

VTR Main C.B.A.
FP5001
FP2202
FP2203
FP2201
FP2204
(Q)
(Q)
(Q)
Mecha. Frame Unit
VTR Main C.B.A.
Loking Tab (d)
Mecha. Frame
VTR Main C.B.A.
Mecha. Frame
To FP5001
To FP2202
To FP2203
To FP2201
To FP2204
Mecha. Unit
Screw (Q)

Fig. 10

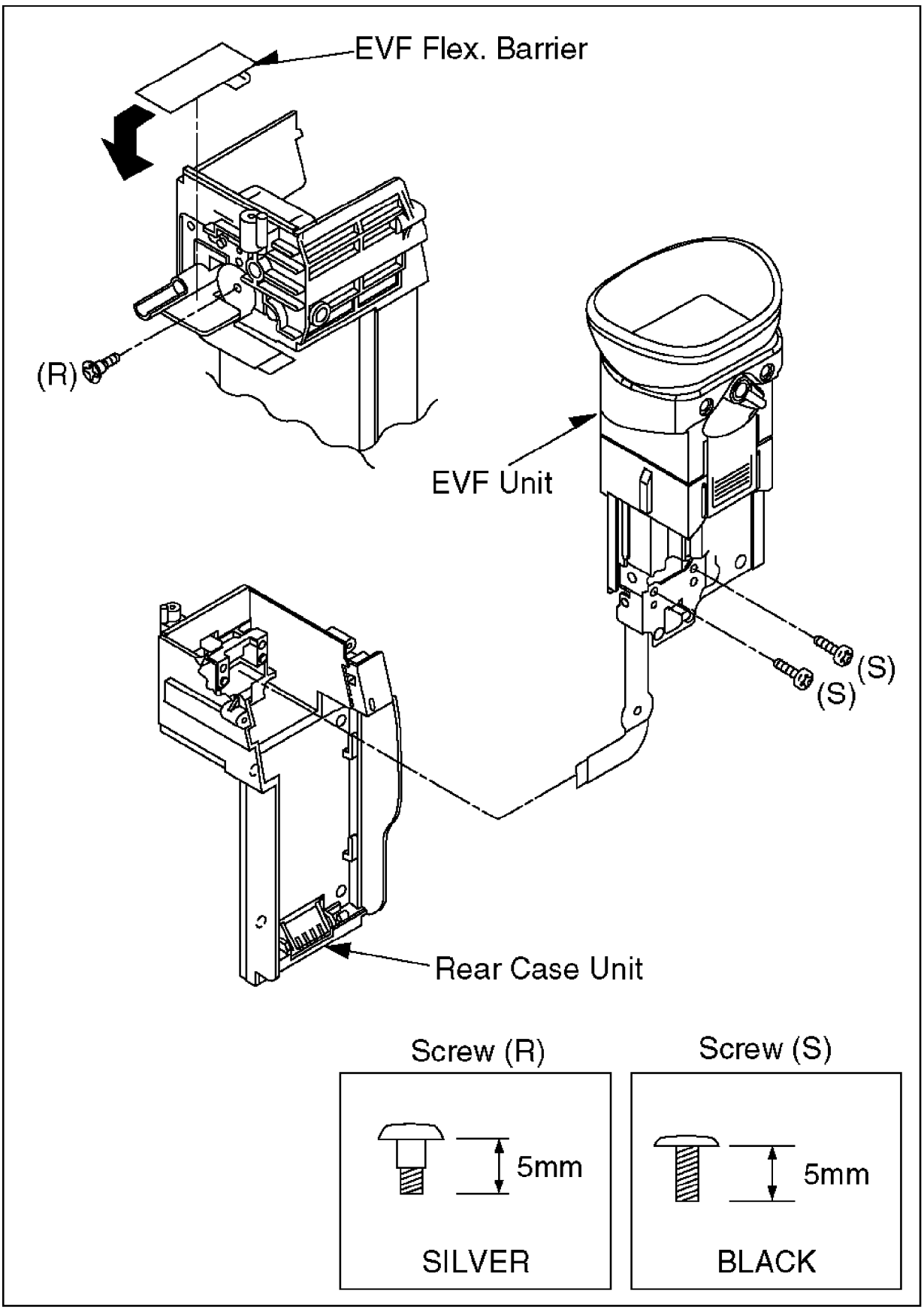
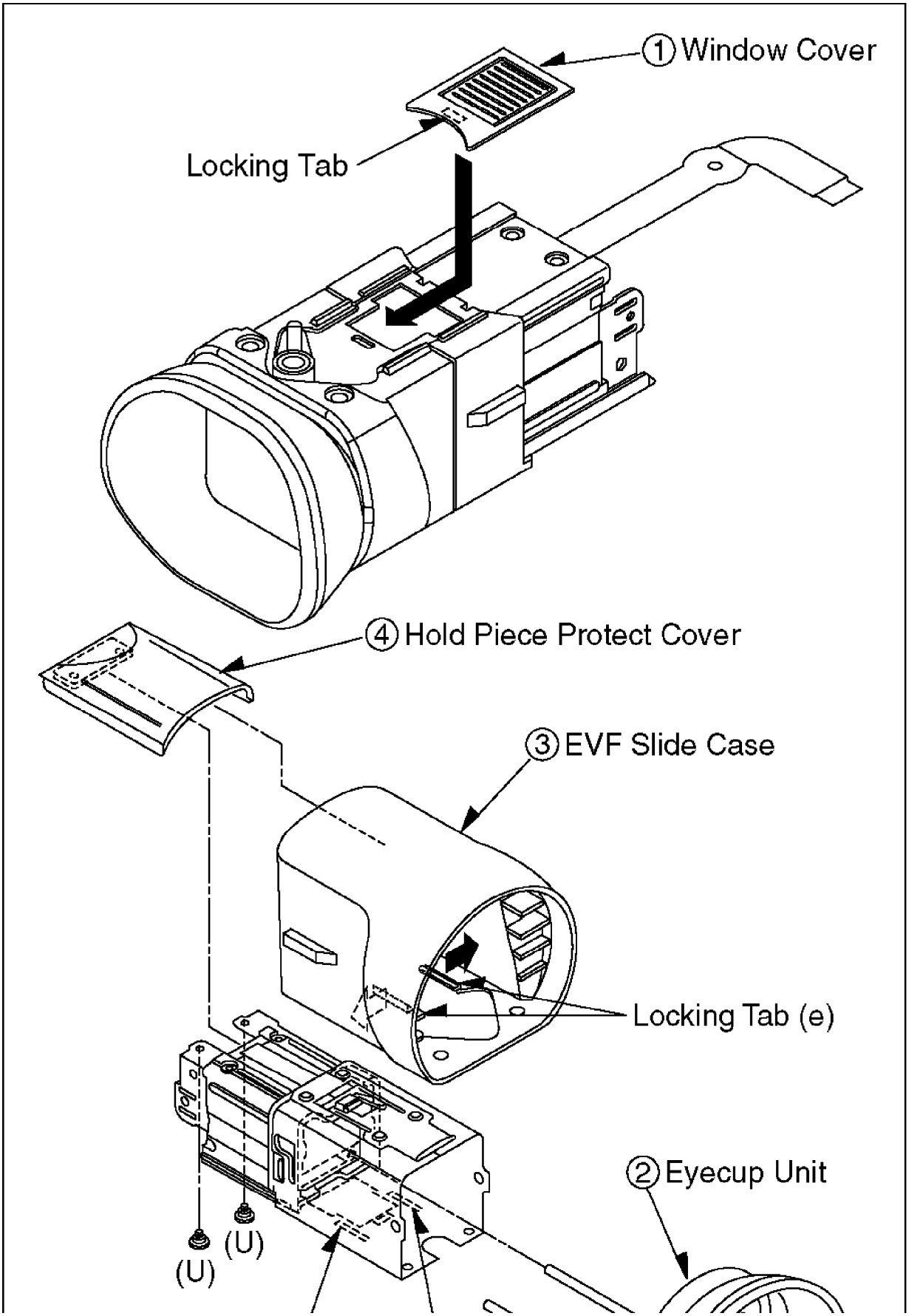

EVF Flex. Barrier
(R)
EVF Unit
(S)
(S)
Rear Case Unit
Screw (R)
Screw (S)
5mm
5mm
SILVER
BLACK

Fig. 11


① Window Cover
Locking Tab
④ Hold Piece Protect Cover
③ EVF Slide Case
Locking Tab (e)
② Eyecup Unit
(U)
(U)

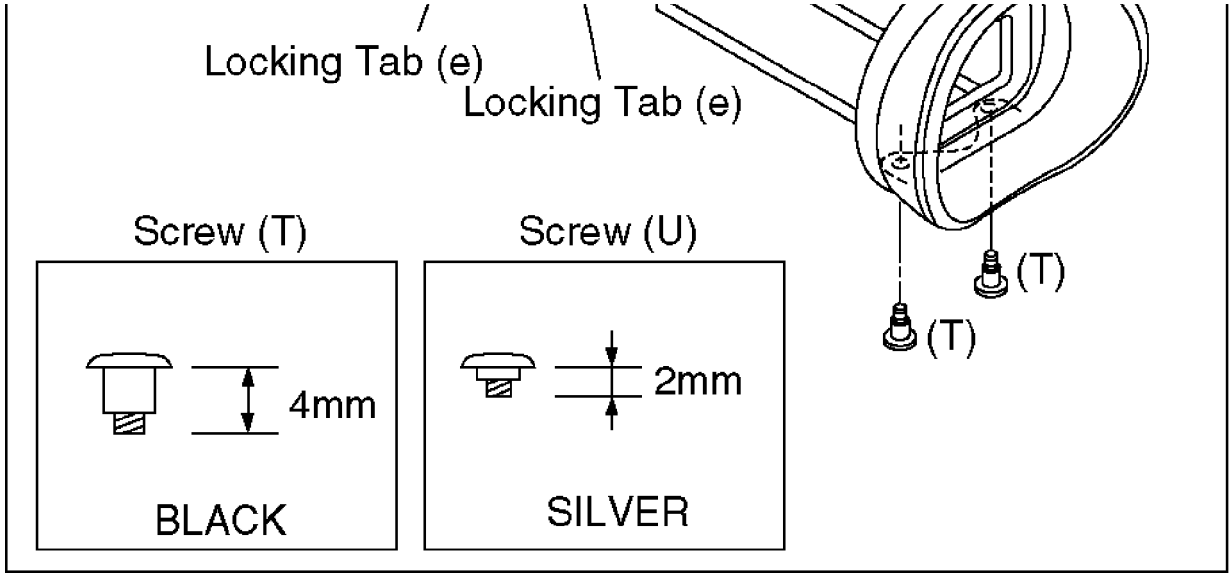

Locking Tab (e)
Locking Tab (e)
Screw (T)
Screw (U)
4mm
2mm
BLACK
SILVER
(T)
(T)

Fig. 12

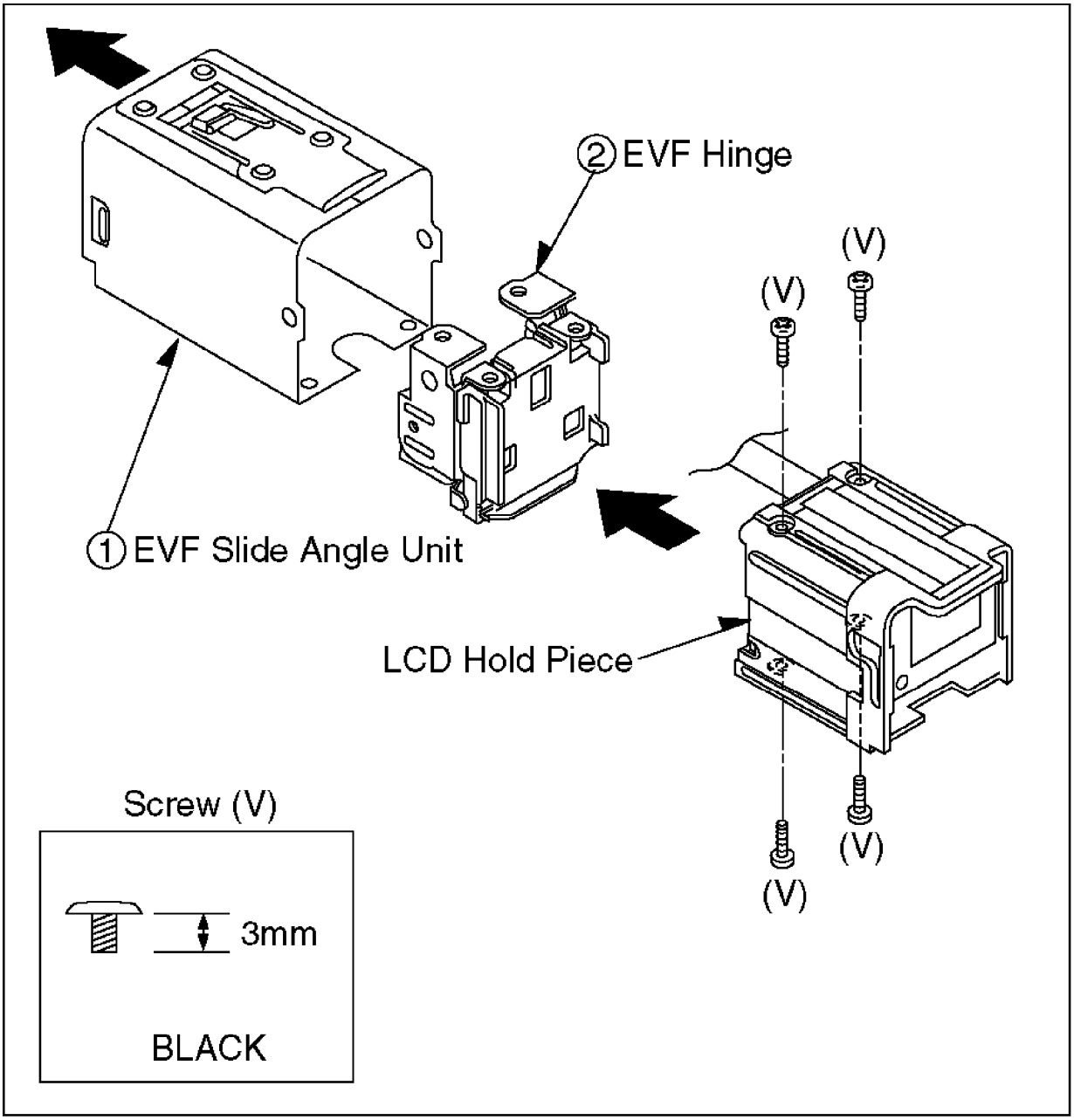

② EVF Hinge
(V)
(V)
① EVF Slide Angle Unit
LCD Hold Piece
(V)
(V)
Screw (V)
3mm
BLACK

Fig. 13

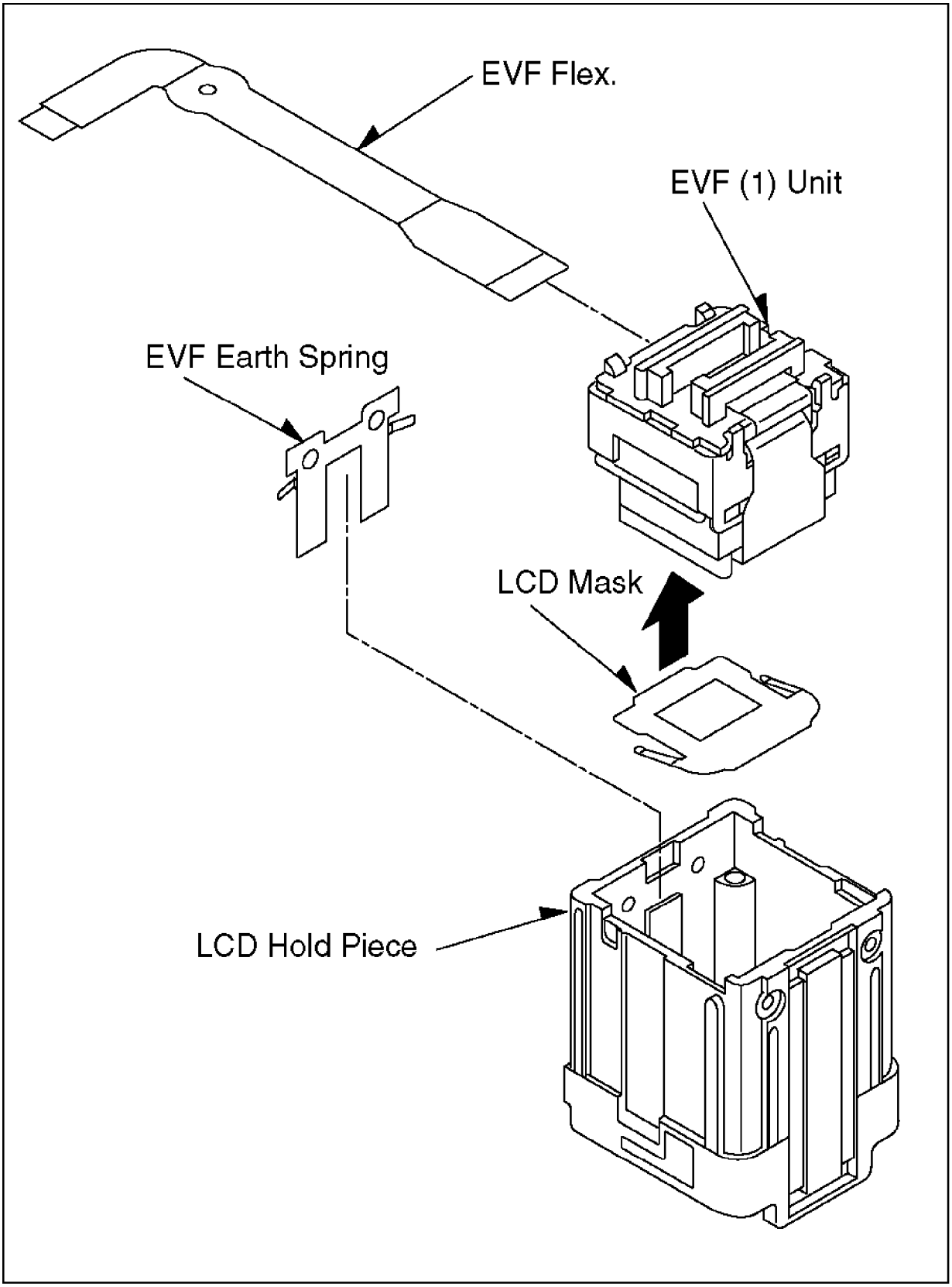


Fig. 14

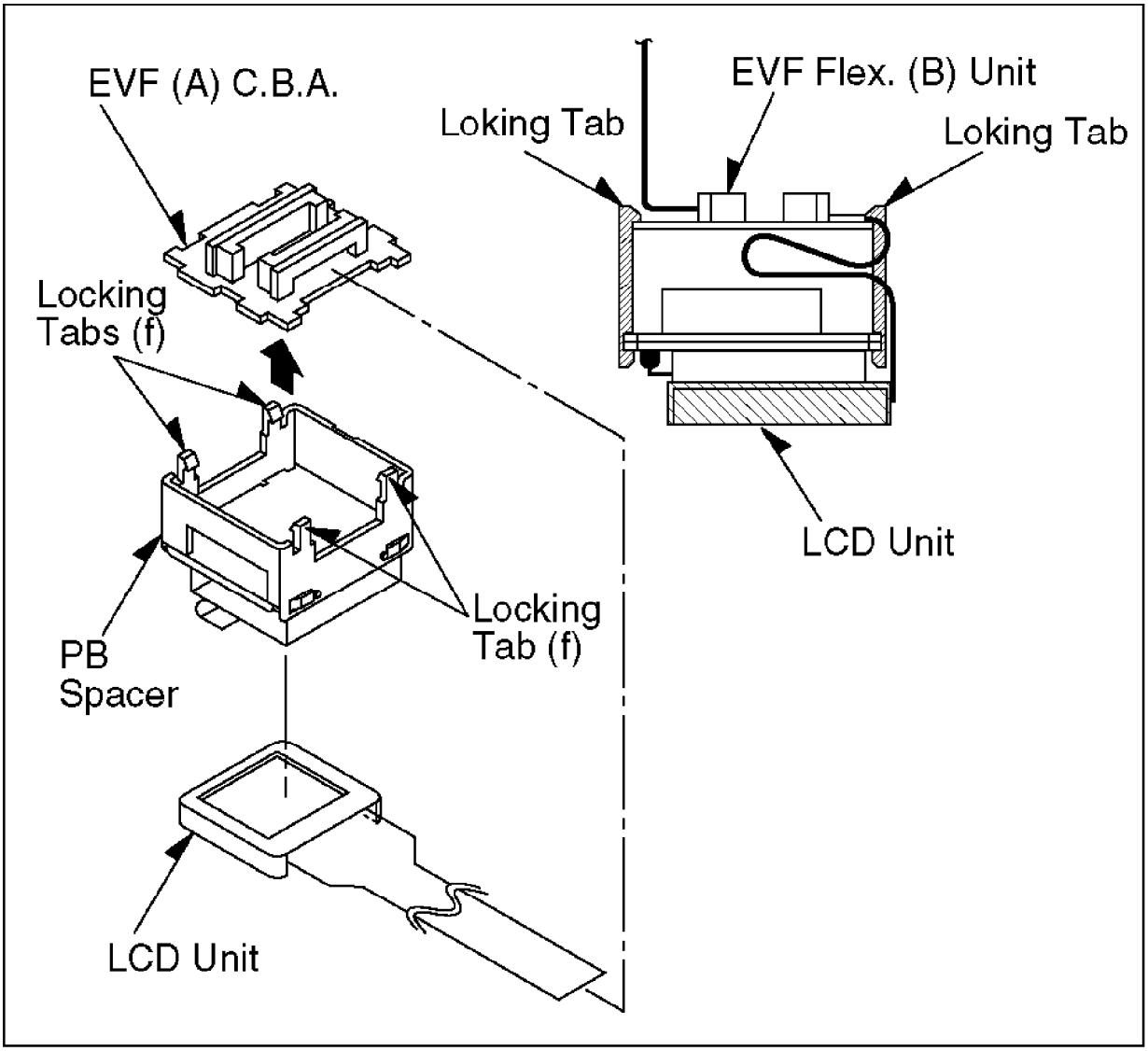

EVF (A) C.B.A.
Loking Tab
EVF Flex. (B) Unit
Loking Tab
Locking
Tabs (f)
LCD Unit
PB
Spacer
Locking
Tab (f)
LCD Unit

Fig. 15

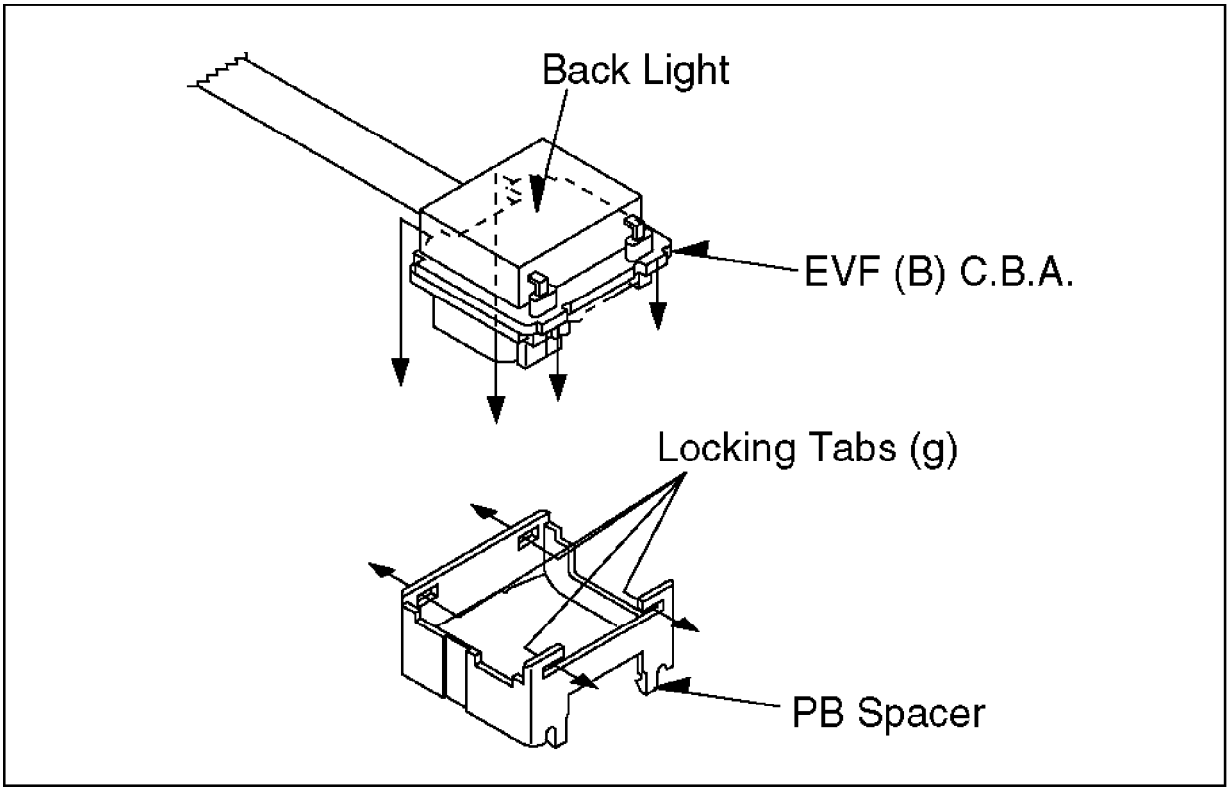


Fig. 16

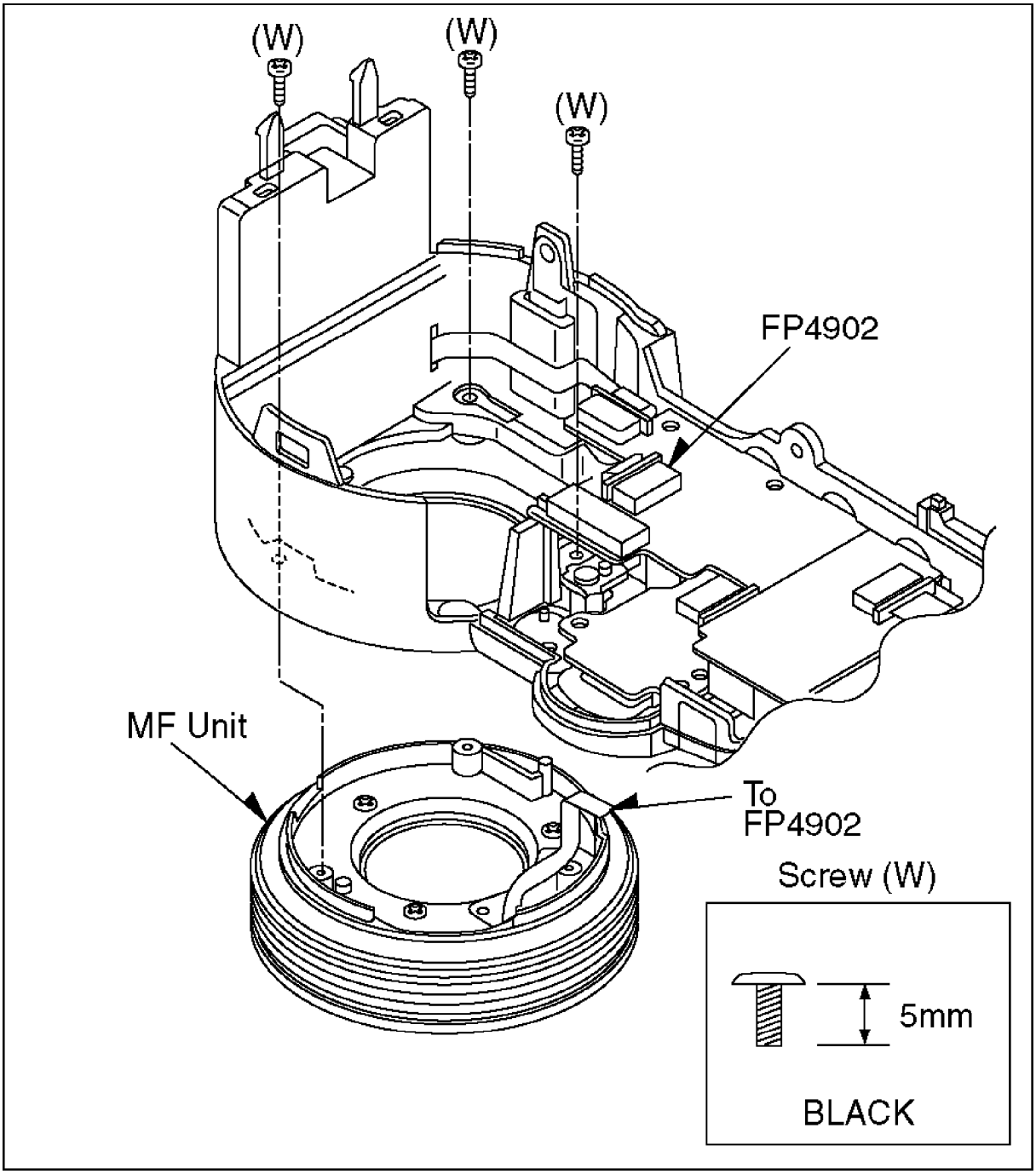


Fig. 17

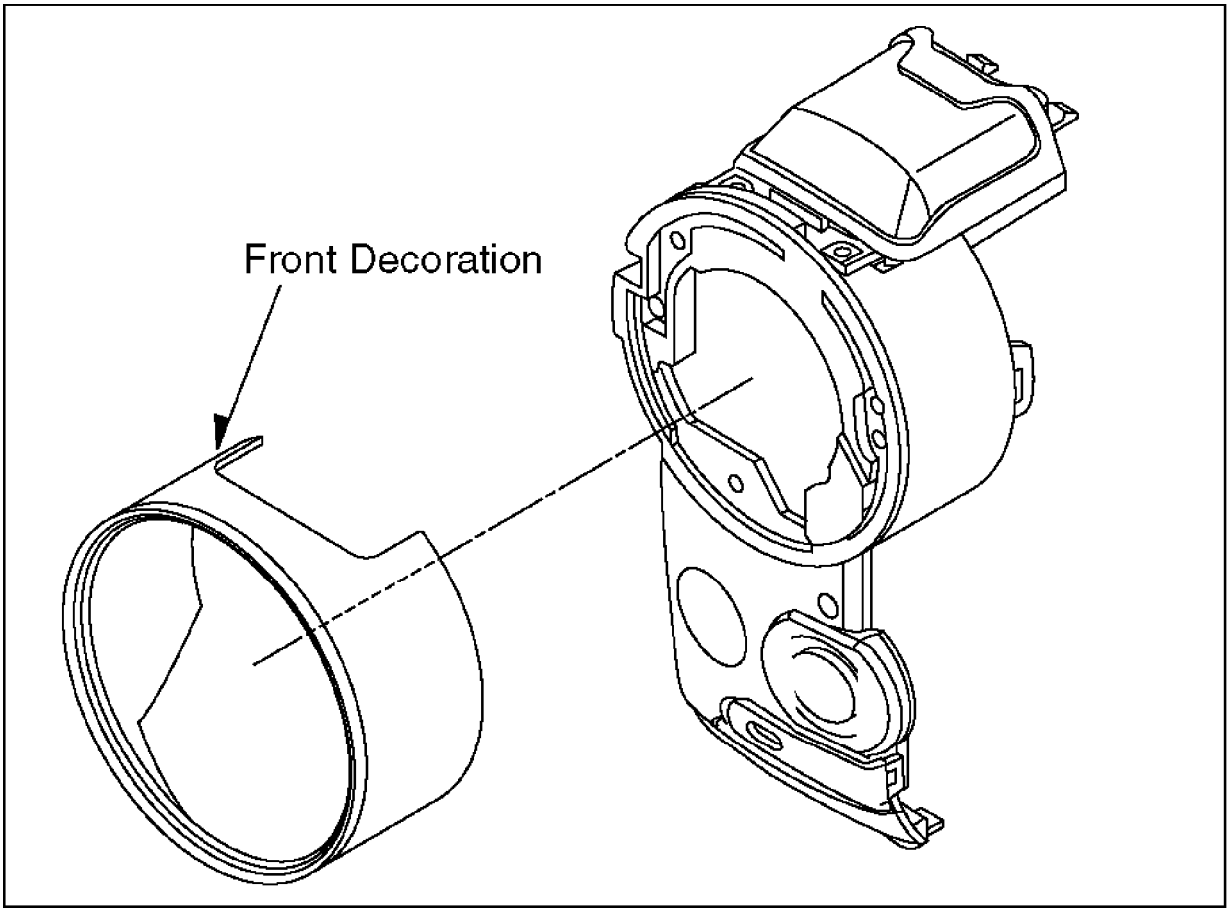
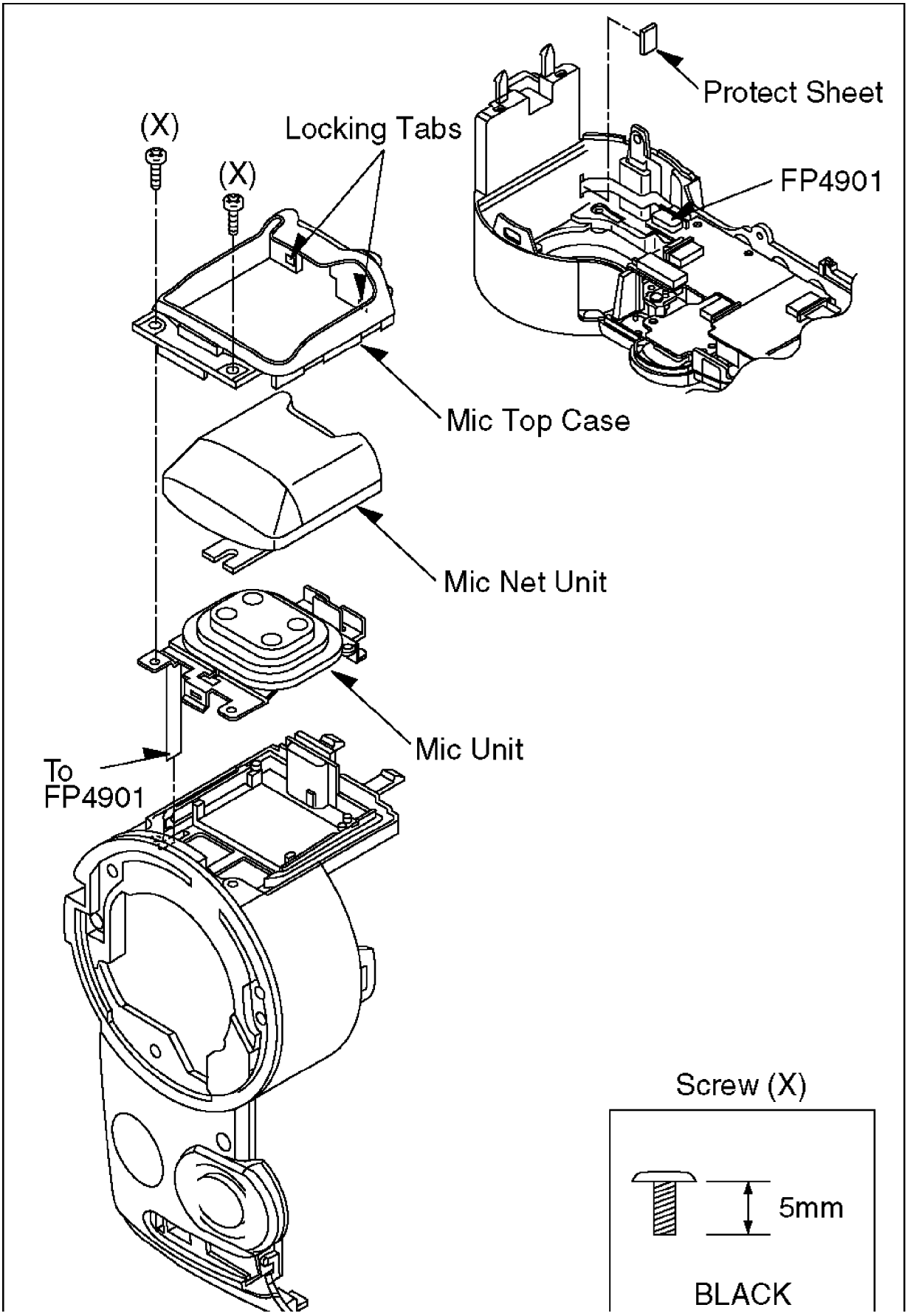


Fig. 18


Protect Sheet
(X)
Locking Tabs
(X)
FP4901
Mic Top Case
Mic Net Unit
Mic Unit
To
FP4901
Screw (X)
5mm
BLACK

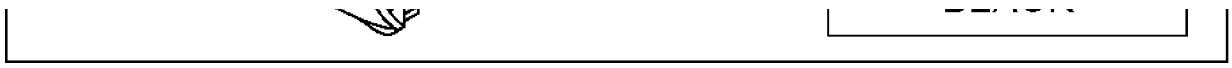
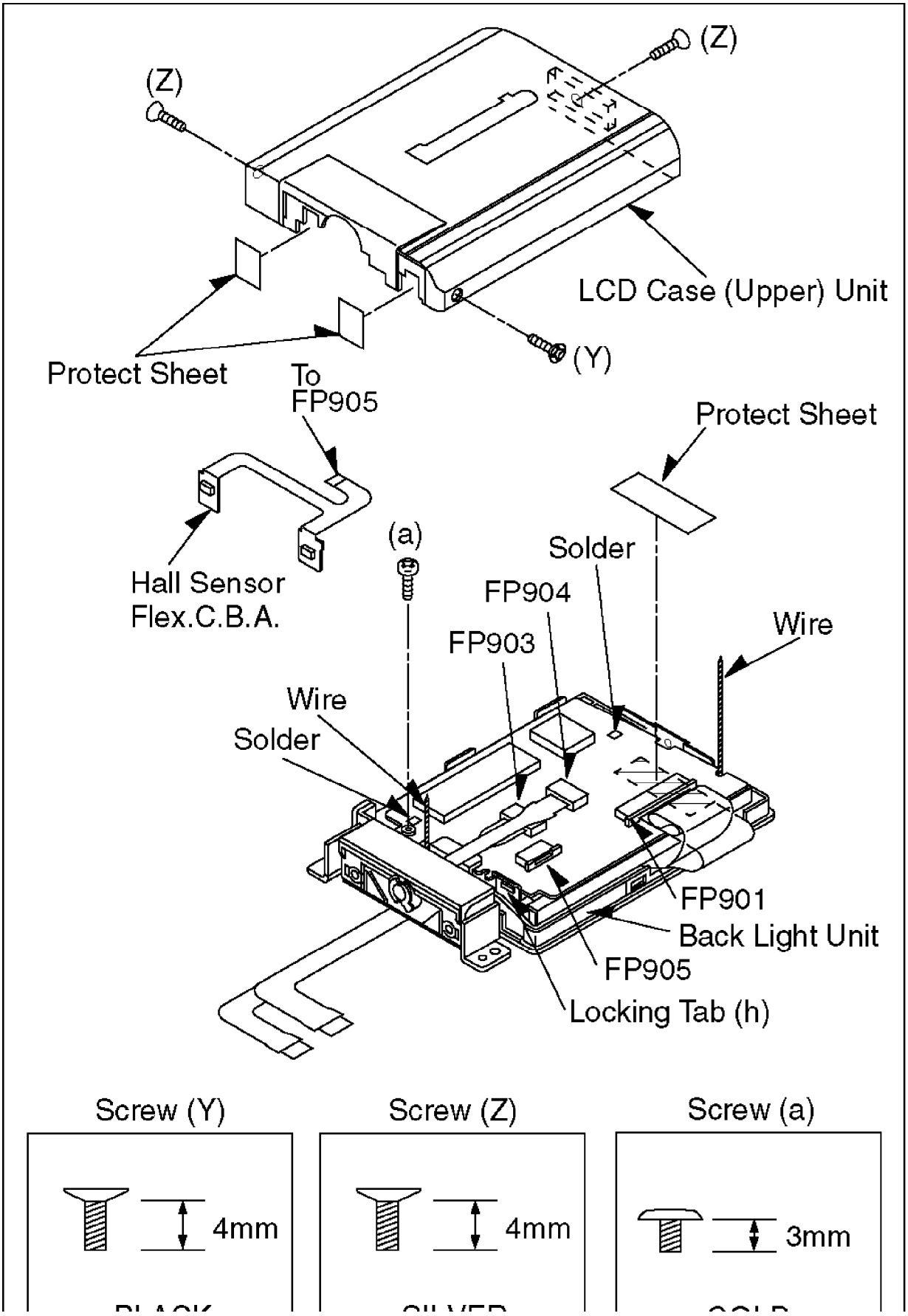


Fig. 19


(Z)
(Z)
LCD Case (Upper) Unit
(Y)
Protect Sheet
To
FP905
Protect Sheet
(a)
Solder
Hall Sensor
Flex.C.B.A.
FP904
FP903
Wire
Wire
Solder
FP901
Back Light Unit
FP905
Locking Tab (h)
Screw (Y)
Screw (Z)
Screw (a)
4mm
4mm
3mm

BLACK	SILVER	GOLD

8.3. DISASSEMBLY PROCEDURES OF CAMERA LENS UNIT

The following flowchart describes order or steps for removing the Camera lens unit and certain printed circuit boards in order to make access to the item needing service.
To reassemble the unit follow the steps in reverse order.

Fig. L1

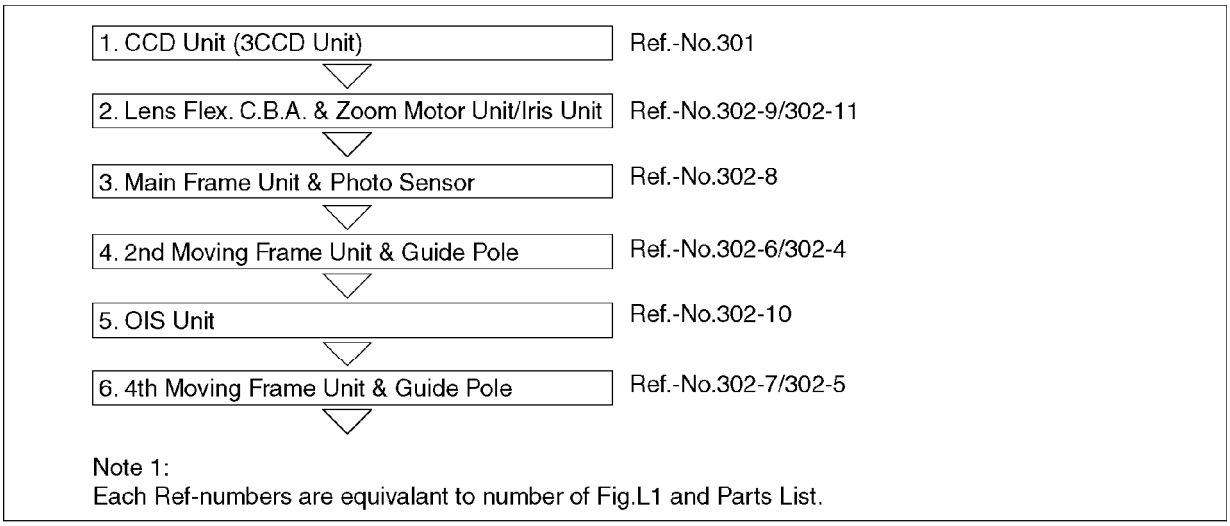
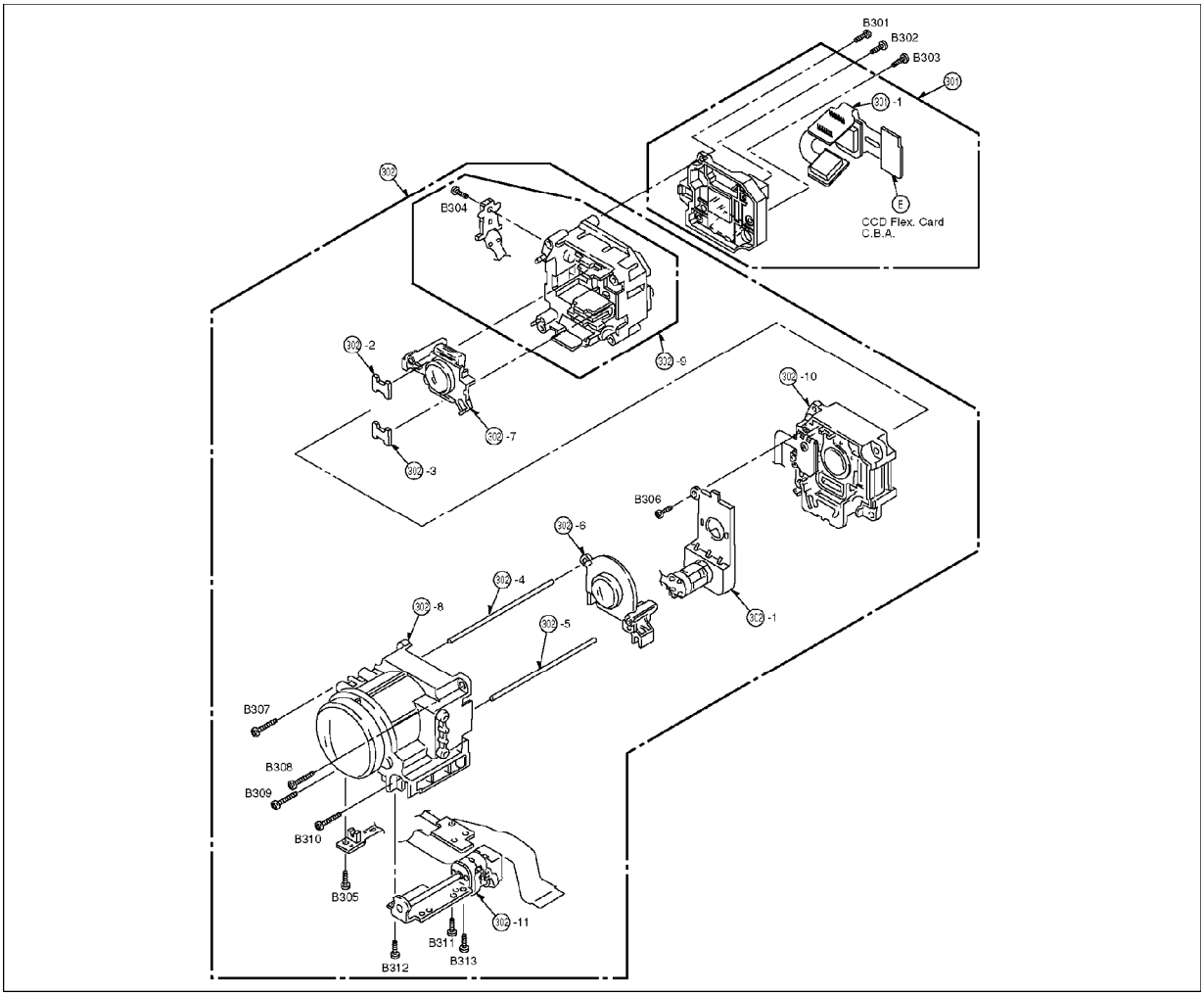

1. CCD Unit (3CCD Unit)
Ref.-No.301
2. Lens Flex. C.B.A. & Zoom Motor Unit/Iris Unit
Ref.-No.302-9/302-11
3. Main Frame Unit & Photo Sensor
Ref.-No.302-8
4. 2nd Moving Frame Unit & Guide Pole
Ref.-No.302-6/302-4
5. OIS Unit
Ref.-No.302-10
6. 4th Moving Frame Unit & Guide Pole
Ref.-No.302-7/302-5
Note 1:
Each Ref-numbers are equivalant to number of Fig.L1 and Parts List.

Fig. L2



9. ABBREVIATIONS

10. WAVEFORM TABLE

11. SCHEMATIC DIAGRAMS

11.1. OVERALL SCHEMATIC DIAGRAM

11.2. INTERCONNECTION SCHEMATIC DIAGRAM

11.3. MIC UNIT SCHEMATIC DIAGRAM

11.4. MONITOR& HALL SENSOR FLEX. CARD SCHEMATIC DIAGRAM

11.5. POWER SCHEMATIC DIAGRAM

11.6. CAMERA SUB SCHEMATIC DIAGRAM

11.7. CCD FLEX. CARD SCHEMATIC DIAGRAM

11.8. FRONT(A) SCHEMATIC DIAGRAM

11.9. FRONT(B) SCHEMATIC DIAGRAM

11.10. AWT SENSOR SCHEMATIC DIAGRAM

11.11. S JACK FLEX. CARD SCHEMATIC DIAGRAM

11.12. MF SENSOR FLEX. CARD SCHEMATIC DIAGRAM

11.13. MMC/SD FLEX. CARD UNIT SCHEMATIC DIAGRAM

11.14. EVF(A)& EVF(B) SCHEMATIC DIAGRAM

11.15. GRIP FLEX. CARD SCHEMATIC DIAGRAM

11.16. GRIP SCHEMATIC DIAGRAM

11.17. POWER S/S FLEX. SCHEMATIC DIAGRAM

11.18. ZOOM VR UNIT SCHEMATIC DIAGRAM

11.19. CAMERA OPERATION FLEX.CARD SCHEMATIC DIAGRAM

11.20. VTR OPERATION BUTTON UNIT SCHEMATIC

DIAGRAM

11.21. HOT SHOE FLEX. CARD UNIT SCHEMATIC DIAGRAM

12. CIRCUIT BOARD ASSEMBLIES

12.1. FRONT(A) C.B.A.

12.2. FRONT(B) C.B.A.

12.3. CAMERA SUB C.B.A.

12.3.1. CAMERA SUB ADDRESS INFORMATION

12.4. MIC UNIT

12.5. MONITOR C.B.A.

12.5.1. MONITOR ADDRESS INFORMATION

12.6. GRIP C.B.A.

12.7. POWER C.B.A.

12.7.1. POWER ADDRESS INFORMATION

12.8. CCD FLEX. CARD C.B.A.

12.9. MMC/SD FLEX.CARD UNIT

12.10. EVF(A) C.B.A.

12.11. EVF(B) C.B.A.

12.12. AWT SENSOR C.B.A.

13. EXPLODED VIEWS

13.1. FRAME& CASING SECTION (1)

13.2. FRAME& CASING SECTION (2)

13.3. LCD SECTION

13.4. CAMERA LENS SECTION

13.5. PACKING PARTS& ACCESSORIES SECTION

14. REPLACEMENT PARTS LIST

14.1. FRAME& CASING SECTION (1) PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name& Description	Remarks
1-1 (1)	VGQ5963	PROTECT SHEET	
1-2 (1)	VWJ1427	CAMERA-POWER FLEX.	
2-1 (1)	VWJ1353	CAMERA FLEX.	
3 (1)	VWJ1368	FRONT FLEX. (B)	
4 (1)	VGQ4625	SHOE COVER	
5 (1)	K1FB108H0009	HOT SHOE U.	
6 (1)	N9ZZ00000001	POWER S/S FLEX.	
7 (1)	EYHS78D15	DEW SENSOR	
8 (1)	N5ZZ00000002	ZOOM VR U.	
9 (1)	VGQ4836	RUBBER HOLD PIECE	
10 (1)	VGQ5233	ZOOM COVER	
11 (1)	VGQ5622	ZOOM FRAME	
12 (1)	VGU8382	ZOOM KNOB	
13 (1)	VGU8383	PHOTO SHOT BUTTON	
14 (1)	VMG1112	RUBBER BUTTON	
15 (1)	VEK8979	SPEAKER U.	
16-1(1)	VSB0407	LITHIUM BATTERY	
17-1(1)	VWJ1354	FRONT FLEX. (A)	
18 (1)	VGL0873	PANE LIGHT	
19 (1)	VGL0873	PANE LIGHT	
20 (1)	VGL0873	PANE LIGHT	
21 (1)	VGL0873	PANE LIGHT	
22 (1)	VGQ2184	SPEAKER PROTECT SHEET	
23 (1)	VGQ5049	SPEAKER SOUNDPROOF SHEET	
24 (1)	VGQ5727	FINGER HANGER PIECE	
25 (1)	VGQ5851	GRIP BELT PIECE	
26 (1)	VGU8421	MODE SELECT KNOB	
27 (1)	VGU8422	S/S BUTTON	
28 (1)	VGU8440	RESET BUTTON	
29 (1)	VKM5334	TOP CASE	
30 (1)	VMP6190	TOP FRAME	
31 (1)	VMP6207	GRIP BELT ANGLE	
32 (1)	VXA6678	MMC COVER U.	
33 (1)	VXA6697	MMC LOCK PLATE U.	
34 (1)	VYC0827	GRIP BELT U.	
35 (1)	VYK9443	LENS FRAME U.	
36 (1)	VYK9644	CASSETTE COVER U.	
37 (1)	VYK9683	SIDE CASE (L) (1) U.	
37-1(1)	VGQ5697	BATTERY COVER	
38 (1)	VYQ1857	POWER BUTTON U.	
39-1(1)	VEE0M24	WIRE CABLE	
39-2(1)	VGQ5788	MMC FLEX. PROTECT SHEET	
39-3(1)	VGQ5863	MMC BARRIER (B)	
40 (1)	VGQ3155	OPERATION PANEL SHEET	
41 (1)	VGQ5921	SD BARRIER	
42 (1)	VGQ6075	S FLEX. BARRIER	

Ref. No.	Part No.	Part Name& Description	Remarks
43 (1)	VXA6637	OUT HOLDER U.	
44 (1)	VYK9444	BOTTOM FRAME U.	
45 (1)	VYK9658	BOTTOM COVER U.	
46 (1)	VYQ1876	MAIN FRAME (1) U.	
47 (1)	VYQ1855	MECHA. FRAME U.	
47-1(1)	VMD3345	TRIPOD FRAME	
48 (1)	VXY1601-K	MECHA. U.	
B1 (1)	XQN16+B25FZ	SCREW	
B2 (1)	XQN16+B25FZ	SCREW	
B3 (1)	XQN16+B5FN	SCREW	
B4 (1)	XQN16+BJ5FZ	SCREW	
B5 (1)	XQN16+B5FZ	SCREW	
B6 (1)	XQN16+B4FZ	SCREW	
B7 (1)	XQN16+B4FZ	SCREW	
B8 (1)	XQN16+BJ4FZ	SCREW	
B9 (1)	XQN16+BJ4FZ	SCREW	
B10 (1)	VHD1132	SCREW	
B11 (1)	VHD1132	SCREW	
B12 (1)	VHD1132	SCREW	
B13 (1)	XQN16+BJ35FZ	SCREW	
B14 (1)	XQN2+BJ5	SCREW	
B15 (1)	XQN2+BJ5	SCREW	
B16 (1)	XQN16+BJ5FZ	SCREW	
B17 (1)	XQN16+B4FZ	SCREW	
B18 (1)	XQN16+BJ5FZ	SCREW	
B19 (1)	XQS2+A5	SCREW	
B20 (1)	XQS2+A5	SCREW	
B21 (1)	XQN2+A8FN	SCREW	
B22 (1)	XQN2+A8FN	SCREW	
B23 (1)	XQN16+BJ5FZ	SCREW	
B24 (1)	XQN16+BJ3FZ	SCREW	
B25 (1)	XQN2+BJ35FZ	SCREW	
B26 (1)	XQN2+BJ35FZ	SCREW	
B27 (1)	XQN14+B12	SCREW	
B28 (1)	XQN14+B12	SCREW	
B29 (1)	XQN14+B12	SCREW	
B30 (1)	XQN14+B12	SCREW	
B31 (1)	XQN16+BJ5FZ	SCREW	
B32 (1)	XQN16+BJ5FZ	SCREW	
B33 (1)	XQN16+BJ5FZ	SCREW	
B34 (1)	XQN16+BJ5FZ	SCREW	
B35 (1)	XQN16+BJ5FZ	SCREW	
B36 (1)	XQN16+BJ5FZ	SCREW	
B37 (1)	XQN16+BJ5FZ	SCREW	
B38 (1)	XQS16+A2	SCREW	
B39 (1)	XQS16+A2	SCREW	
B40 (1)	VHD1414	SCREW	
B41 (1)	XQN16+BJ5FZ	SCREW	
B42 (1)	XQN16+B2FN	SCREW	
B43 (1)	XQN16+B2FN	SCREW	
B44 (1)	XQN16+B2FN	SCREW	
B45 (1)	XQN16+B2FN	SCREW	
B46 (1)	XQN16+B5FZ	SCREW	

Ref. No.	Part No.	Part Name& Description	Remarks
B47 (1)	XQN16+B5FZ	SCREW	
B48 (1)	XQN16+B5FZ	SCREW	
B49 (1)	XQN16+B5FZ	SCREW	
B50 (1)	XQN16+B5FZ	SCREW	
B51 (1)	XQN16+B35	SCREW	
B52 (1)	VHD1226	SCREW	
B53 (1)	VHD1133	SCREW	
B54 (1)	VHD1133	SCREW	
B55 (1)	VHD1133	SCREW	
B56 (1)	XQN16+B35	SCREW	
B57 (1)	XQN16+BJ5FZ	SCREW	
B58 (1)	VHD1376	SCREW	
B59 (1)	VHD1376	SCREW	
B60 (1)	XQN16+B4FZ	SCREW	
B61 (1)	XQN16+BJ35FZ	SCREW	
B62 (1)	XQN16+BJ35FZ	SCREW	
B63 (1)	VHD1384	SCREW	
B64 (1)	VHD1384	SCREW	
B65 (1)	XQN16+BJ35FZ	SCREW	
B66 (1)	XQN16+BJ4FZ	SCREW	
B67 (1)	VHD1191	SCREW	
W1 (1)	XUC2FP	WASHER	

14.2. FRAME& CASING SECTION (2) PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name& Description	Remarks
101 (2)	VYK9700	EVR COVER U.	
102 (2)	VGU8380	LCD OPEN BUTTON	
103 (2)	VGU8385	FULL AUTO KNOB	
104 (2)	VGU8386	CAMERA OPERATION BUTTON	
105 (2)	VXU1559	VTR OPERATION BUTTON U.	
106 (2)	VMP6212	CAMERA OPERATION ANGLE	
107 (2)	VYK9634	SIDE CASE (R) (1) U.	
108 (2)	VMB3397	LCD LOCK LEVER SPRING	
109 (2)	VML3497	LCD LOCK LEVER	
110 (2)	VYK9788	(R) BASE (1) U.	
111 (2)	VYK9438	LCD POP UP LEVER (1) U.	
112-1(2)	VWJ1357	MIC FLEX.	
113-1(2)	VDL0397	IR CUT FILTER	
113-2(2)	VGQ3306	IR PLATE SPACER	
113-3(2)	VGQ4592	AWT HOLDER	
113-4(2)	VMG1135	LENS DUMPER RUBBER	
113-5(2)	VMG1135	LENS DUMPER RUBBER	
113-6(2)	VWJ1384	FRONT FLEX. (C)	
114 (2)	VGK2662	FRONT DECORATION	
115 (2)	VGL0869	TALLY PANE LIGHT	
116 (2)	VGQ5165	SOUNDPROOF SHEET (B)	
117 (2)	VGU8682	FOCUS BUTTON	
118 (2)	VKF3184	JACK COVER	
119 (2)	VKM5340	MIC TOP CASE	
120 (2)	VKW2746	IR SENSOR WINDOW	
121 (2)	VMP6192	FRONT ANGLE (A)	
122 (2)	VMP6208	FRONT EARTH PLATE	
123 (2)	VMP6209	FRONT ANGLE (B)	
124 (2)	VMP6347	FRONT EARTH PLATE (B)	
125 (2)	VXP1999	MF U.	
126 (2)	VYF2723	LENS HOOD U.	
127 (2)	VYK9647	FRONT CASE (1) U.	
128 (2)	VYQ1835	MIC NET U.	
129 (2)	VGQ5909	EVF FLEX. BARRIER	
130 (2)	K4ZZ04000026	BATTERY CATCHER	
131 (2)	VWJ1351	POWER BUS FLEX.	
132 (2)	VGQ5738	SHOULDER ANGLE BARRIER	
133 (2)	VGQ5853	EVF EARTH BARRIER	
134 (2)	VGQ5922	REAR CASE PROTECT SHEET	
135 (2)	VGU8379	BATTERY LOCK BUTTON	
136 (2)	VMB3210	BATTERY LOCK SPRING	
137 (2)	VMP6205	SHOULDER BELT ANGLE	
138 (2)	VSC5046	REAR EARTH PLATE (S)	
139 (2)	VSC5047	REAR EARTH PLATE (L)	
140 (2)	VYK9646	REAR CASE (1) U.	
141 (2)	L5BDDXM00001	EVF LCD PANEL	
142 (2)	VDL0737	EVF LENS	
143-1(2)	VGQ5035	PROTECT SHEET	
144 (2)	VGQ5264	WINDOW COVER	
145 (2)	VGQ5616	LCD MASK	
146 (2)	VGQ6005	EVF LENS SHEET	
147 (2)	VJF1394	LCD HOLD PIECE	
148 (2)	VKF3206	HOLD PIECE PROTECT COVER	
149 (2)	VKM5485	EVF SLIDE CASE	

Ref. No.	Part No.	Part Name& Description	Remarks
150 (2)	VMC1612	EVF EARTH SPRING	
151 (2)	VMG1280	EYE CAP	
152 (2)	VMX2967	PB SPACER	
153 (2)	VWJ1356	EVF FLEX.	
154 (2)	VXA6310	EVF SLIDE ANGLE U.	
155 (2)	VXA6694	EVF HINGE U.	
156 (2)	VXA6696	EVF VIEW ADJ. U.	
157 (2)	VXL2876	EVF SHUTTER U.	
158 (2)	VYQ2088	EVF PROTECT COVER U.	
159 (2)	VKM5100	BATTERY DUMMY CASE	FOR NV-MX300EN/A
B101 (2)	XQN16+BJ5FZ	SCREW	
B102 (2)	VHD1132	SCREW	
B103 (2)	XQN16+BJ5FZ	SCREW	
B104 (2)	XQN16+B4FZ	SCREW	
B105 (2)	XQN16+B4FZ	SCREW	
B106 (2)	XQN16+B4FZ	SCREW	
B107 (2)	XQN16+B4FZ	SCREW	
B108 (2)	VHD1157	SCREW	
B109 (2)	VHD1157	SCREW	
B110 (2)	VHD1262	SCREW	
B111 (2)	VHD1262	SCREW	
B112 (2)	VHD1262	SCREW	
B113 (2)	VHD1262	SCREW	
B114 (2)	VHD1303	SCREW	
B115 (2)	VHD1303	SCREW	
B116 (2)	XQN16+BJ6FZ	SCREW	
B117 (2)	VHD1139	SCREW	
B118 (2)	VHD1139	SCREW	
B119 (2)	XQN16+BJ6FZ	SCREW	
B120 (2)	XQN16+B2FZ	SCREW	
B121 (2)	XQN16+BJ6FZ	SCREW	
B122 (2)	VHD1152	SCREW	
B123 (2)	XQN16+B35	SCREW	
B124 (2)	XQN16+B2FZ	SCREW	
B125 (2)	XQN16+B2FZ	SCREW	
B126 (2)	VHD1254	SCREW	
B127 (2)	VHD1254	SCREW	
B128 (2)	XQN16+BJ6FZ	SCREW	
B129 (2)	XQN16+BJ6FZ	SCREW	
B130 (2)	XQN16+BJ5FZ	SCREW	
B131 (2)	XQN16+BJ5FZ	SCREW	
B132 (2)	XQN16+BJ5FZ	SCREW	
B133 (2)	XQN16+BJ5FZ	SCREW	
B134 (2)	XQN16+BJ5FZ	SCREW	
B135 (2)	XQN16+BJ5FZ	SCREW	
B136 (2)	XQN16+B5FN	SCREW	
B137 (2)	XQN16+BJ4FZ	SCREW	
B138 (2)	XQN16+BJ5FZ	SCREW	
B139 (2)	XQN16+BJ5FZ	SCREW	
B140 (2)	XQN16+BJ5FZ	SCREW	
B141 (2)	XQN16+BJ5FZ	SCREW	
B142 (2)	VHD1401	SCREW	
B143 (2)	VHD1401	SCREW	

Ref. No.	Part No.	Part Name& Description	Remarks
B144 (2)	XQN16+BJ5FZ	SCREW	
B145 (2)	XQN16+BJ4FZ	SCREW	
B146 (2)	VHD1191	SCREW	
B147 (2)	VHD1191	SCREW	
B148 (2)	XQN16+BJ8FZ	SCREW	

14.3. LCD SECTION PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name& Description	Remarks
201 (3)	K-BLU8868VM	BACK LIGHT U.	
202 (3)	L5BDDYM00002	LCD PANEL	
203 (3)	VGL0882	DIFFUSION SHEET	
204 (3)	VGL0883	POLARIZATION SHEET	
205 (3)	VGQ2759	PROTECT SHEET	
206 (3)	VGQ4758	PROTECT SHEET (A)	
207 (3)	VGQ4758	PROTECT SHEET (A)	
208 (3)	VKM5343	LCD CASE (LOWER)	
209 (3)	VMZ3019	LCD BARRIER	
210 (3)	VSC4991	LCD HOLD ANGLE	
211 (3)	VGQ5632	HINGE COVER (UPPER)	
212 (3)	VGQ5768	HINGE COVER (LOWER)	
213 (3)	VXD0325	LCD HINGE (1) U.	
213-1(3)	VWJ1349	MONITOR FLEX. (A)	
213-2(3)	VWJ1350	MONITOR FLEX. (B)	
214 (3)	VYK9639	LCD CASE (UPPER) U.	
215 (3)	VYQ2089	REINFORCEMENT SHIELD U.	
B201 (3)	VHD1343	SCREW	
B202 (3)	VHD1209	SCREW	
B203 (3)	VHD1209	SCREW	
B204 (3)	XQN16+B3	SCREW	
B205 (3)	VHD1273	SCREW	
B206 (3)	VHD1390	SCREW	
B207 (3)	VHD1274	SCREW	

14.4. CAMERA LENS SECTION PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name& Description	Remarks
301 (4)	VXQ0881	PRISM U.	
301-1 (4)	VJB22298	CCD FLEX.	
302 (4)	VXW0465	LENS U.	
302-1 (4)	L9ZZ00000156	IRIS U.	
302-2 (4)	VMA9961	SIDE YOKE	
302-3 (4)	VMA9961	SIDE YOKE	
302-4 (4)	VMS6717	GUIDE POLE	
302-5 (4)	VMS6717	GUIDE POLE	
302-6 (4)	VXP1988	2ND MOVING FRAME U.	
302-7 (4)	VXP1991	4TH MOVING FRAME U.	
302-8 (4)	VXQ0888	MAIN FRAME U.	
302-9 (4)	VXQ0892	MASTER FLANGE U.	
302-10(4)	VXQ0891	OIS U.	
302-11(4)	08S1E13F6ND	ZOOM MOTOR U.	
B301 (4)	XQN16+CJ5	SCREW	
B302 (4)	XQN16+CJ5	SCREW	
B303 (4)	XQN16+CJ5	SCREW	
B304 (4)	XQN16+CJ5	SCREW	
B305 (4)	XQN16+CJ5	SCREW	
B306 (4)	XQN16+CJ5	SCREW	
B307 (4)	XQN16+CJ8	SCREW	
B308 (4)	XQN16+CJ8	SCREW	
B309 (4)	XQN16+CJ8	SCREW	
B310 (4)	XQN16+CJ8	SCREW	
B311 (4)	XQN16+CJ5	SCREW	
B312 (4)	XQN16+CJ5	SCREW	
B313 (4)	XQN16+CJ5	SCREW	

14.5. PACKING PARTS& ACCESSORIES SECTION PARTS LIST

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name& Description	Remarks
401 (5)	VFF0092-S	APPLICATION SOFT	
402 (5)	VQT8936	OPERATING INSTRUCTIONS (GERMAN,FRENCH)	FOR NV-MX300EG ⚠
402 (5)	VQT8937	OPERATING INSTRUCTIONS (ITALIAN,DUTCH)	FOR NV-MX300EG ⚠
402 (5)	VQT8938	OPERATING INSTRUCTIONS (ENGLISH,SPANISH)	FOR NV-MX300EG ⚠
402 (5)	VQT8939	OPERATING INSTRUCTIONS (SWEDISH,DANISH)	FOR NV-MX300EG ⚠
402 (5)	VQT8940	OPERATING INSTRUCTIONS (ENGLISH)	FOR NV-MX300B ⚠
402 (5)	VQT8941	OPERATING INSTRUCTIONS (ENGLISH,CHINESE)	FOR NV-MX300EN/A ⚠
402 (5)	VQT8942	OPERATING INSTRUCTIONS (ARABIC,RUSSIAN)	FOR NV-MX300EN ⚠
403 (5)	BN-SDCAAE	SD/MMC EXTERNAL DRIVE	
404 (5)	VJA0664	AC CODE	K2CR2DA00004 FOR NV-MX300EG ⚠
404 (5)	VJA0940	AC CODE	FOR NV-MX300B/EN ⚠
404 (5)	VJA0754	AC CODE	K2CJ2DA00002 FOR NV-MX300A ⚠
405 (5)	VEK8925	DC CABLE U.	K2GJ2DZ00010
406-1(5)	K2KC4CB00001	AV CABLE	
406-2(5)	VJA1120	S-VIDEO CABLE	K2KZ9BA00001
407 (5)	N2QAEC000006	REMOTE CONTROLLER U.	
408 (5)	VFA0324	MMC U.	
409 (5)	VGQ2750	HOOD STRAP	
410 (5)	VYF2724	HOOD CAP U.	
411 (5)	VFC3566	SHOULDER BELT	
412 (5)	VFK1451	HEAD CLEANER	
413 (5)	VPK2398	PACKING	FOR NV-MX300EG
413 (5)	VPK2399	PACKING	FOR NV-MX300B
413 (5)	VPK2400	PACKING	FOR NV-MX300EN
413 (5)	VPK2401	PACKING	FOR NV-MX300A
414 (5)	VPN5460	SPACER PAD	
415 (5)	VPN5466	CUSHION (UPPER)	
416 (5)	VPN5467	CUSHION (LOWER)	
417 (5)	K1EB059D0006	CONVERSION ADAPTOR	

14.6. ELECTRICAL REPLACEMENT PARTS LIST

Note: 1. Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE: Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
3. Unless otherwise specified,
All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICROFARADS (uf), P=uuF.
4. The P.C. Board units marked width "■" show below the main assembled parts.
5. The marking (RTL) indicaters the retention time is limited for this item.
After the discontinuation of this assembly in production, it will no longer be available.

Ref. No.	Part No.	Part Name& Description	Remarks
■	VEP03F54B	VTR MAIN C.B.A.	(RTL)
■	VEP23498B	CAMERA MAIN C.B.A.	(RTL)
■	VEP22296B	CAMERA SUB C.B.A.	(RTL)
■	VEP01877B	POWER C.B.A.	(RTL)
■	VEP26233C	MONITOR C.B.A.	(RTL)
■	VEP04751B	FRONT (B) C.B.A.	(RTL)
■	VEP27210A	FRONT (A) C.B.A.	(RTL)
■	VEP22300A	AWT SENSOR C.B.A.	(RTL)
■	VEP06D62A	GRIP C.B.A.	(RTL)
■	VEP20795A	CAMERA OP. FLEX. CARD	(RTL)
■	VEP000F5A	MMC/SD FLEX. CARD	(RTL)
■	VEK8977	MIC UNIT	
■	VEP06D42A	HALL SENSOR FLEX. CARD	(RTL)
■	VEP000P4A	HOT SHOE FLEX. CARD	(RTL)
■	VEP03F33A	S JACK FLEX. CARD	(RTL)
■	VEP22298B	CCD FLEX. CARD C.B.A.	(RTL)
■	VEP20794A	MF SENSOR FLEX. CARD	(RTL)
■	VEP28272A	EVF (A) FLEX. CARD	(RTL)
■	VEP28275A	EVF (B) FLEX. CARD	(RTL)
■	VEP03F54B	VTR MAIN C.B.A.	(RTL)
FP603	VJS3971B021	CONNECTOR (FEMALE) 21P	
FP2201	VJS4012B018	CONNECTOR (FEMALE) 18P	
FP2202	VJS4273B010	CONNECTOR (FEMALE) 10P	
FP2203	VJS4298B018	CONNECTOR (FEMALE) 18P	
FP2204	VJS4273B008	CONNECTOR (FEMALE) 8P	
FP2205	VJS3971B033	CONNECTOR (FEMALE) 33P	
FP3401	VJS3320B010	CONNECTOR (FEMALE) 10P	
FP4001	VJS3971B033	CONNECTOR (FEMALE) 33P	
FP4002	VJS3971B033	CONNECTOR (FEMALE) 33P	
FP5001	VJS4036B008	CONNECTOR (FEMALE) 8P	
PP2001	K1KA20A00207	CONNECTOR	
PP3001	K1KB60A00067	CONNECTOR	
PS1001	VJS4263A080	CONNECTOR (FEMALE) 80P	
PS3004	K1KAC0A00015	CONNECTOR	
■	VEP23498B	CAMERA MAIN C.B.A.	(RTL)
FP301	VJS3971B033	CONNECTOR (FEMALE) 33P	
FP302	VJS3320B030	CONNECTOR (FEMALE) 30P	
FP303	K1MN12B00058	CONNECTOR	
FP601	VJS3971B021	CONNECTOR (FEMALE) 21P	
FP602	VJS3971B017	CONNECTOR (FEMALE) 17P	
FP701	VJS3971B039	CONNECTOR (FEMALE) 39P	
PP301	VJP4263A120	CONNECTOR (MALE)	

Ref. No.	Part No.	Part Name& Description	Remarks
■	VEP22296B	CAMERA SUB C.B.A.	(RTL)
C101	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	
C102	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	
C103	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C104	ECST0JY156	T.CAPACITOR CH 6.3V 15U	
C105	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	
C106	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	
C107	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	
C108	ECA1AHG471	E.CAPACITOR 10V 470U	
C109	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C110	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C111	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C112	ECUX1H270JCQ	C.CAPACITOR CH 50V 27P	
C113	ECST0GY226	T.CAPACITOR CH 4V 22U	
C114	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C117	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C119	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C121	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C122	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C130	ECST1VY105	T.CAPACITOR CH 35V 1U	
C131	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	
C133	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C135	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C154	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	
C500	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
C501	ECUX1H680JCQ	C.CAPACITOR CH 50V 68P	
C504	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C505	ECUX1H120JCQ	C.CAPACITOR CH 50V 12P	
C506	ECUX1H120JCQ	C.CAPACITOR CH 50V 12P	
C507	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C508	ECUX1H120JCQ	C.CAPACITOR CH 50V 12P	
C510	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C511	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C512	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C513	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C514	ECUX1H100CCQ	C.CAPACITOR CH 50V 10P	
C515	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C516	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C517	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C518	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C519	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C520	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C521	ECST0GY226	T.CAPACITOR CH 4V 22U	
C522	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C523	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C524	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C525	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C526	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C527	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C528	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C530	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name& Description	Remarks
C531	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C532	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C533	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C534	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C535	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C536	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C537	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C538	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C539	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C540	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C541	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C542	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C543	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C544	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C545	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C546	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C547	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C548	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C549	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C550	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C551	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C552	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C553	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C554	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C555	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C558	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C559	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
C560	ECST0JY475	T.CAPACITOR CH 6.3V 4.7U	
C561	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C562	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C563	ECST0JY156	T.CAPACITOR CH 6.3V 15U	
C564	ECUX1C223KBV	C.CAPACITOR CH 16V 0.022U	
C565	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C566	ECST0JY156	T.CAPACITOR CH 6.3V 15U	
C567	ECUX1C223KBV	C.CAPACITOR CH 16V 0.022U	
C568	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C569	ECST0JY156	T.CAPACITOR CH 6.3V 15U	
C570	ECUX1C223KBV	C.CAPACITOR CH 16V 0.022U	
C571	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C581	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C585	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C586	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C589	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
D101	MA6S121	DIODE	
FP501	VJS4264B033	CONNECTOR (FEMALE) 33P	
IC101	MN52A1	IC	
IC102	RN5RG37AA	IC	
IC107	MB87882PFV	IC	C0ZBZ0000194
IC108	MB87882PFV	IC	C0ZBZ0000194
IC109	T74AC04F	IC	
IC501	NJU4051BV	IC	
IC502	AN2018S	IC	
IC503	AN2018S	IC	
IC504	UPC2391GB	IC	C1AB00001214

Ref. No.	Part No.	Part Name& Description	Remarks
IC506	AN2018S	IC	
IC507	MB88345PFBND	IC	C0FBBD000107
IC508	RN5RG46AATRM	IC	C0DBZGA00009
L102	VLQ0880M100	COIL 10UH	G1C100M00019
L106	VLQ0880M100	COIL 10UH	G1C100M00019
L107	VLQ0880M100	COIL 10UH	G1C100M00019
L108	VLQ0880M100	COIL 10UH	G1C100M00019
L501	VLQ0426J8R2	COIL 8.2UH	G1C8R2J00006
L502	G1C330K00017	COIL	
L503	G1C330K00017	COIL	
L504	G1C330K00017	COIL	
L505	VLQ0426J8R2	COIL 8.2UH	G1C8R2J00006
L506	VLQ0426J8R2	COIL 8.2UH	G1C8R2J00006
L507	VLQ0855K100	COIL 10UH	G1C100K00020
L512	VLQ0807K100	COIL 10UH	G1C100K00024
L513	VLQ0855K100	COIL 10UH	G1C100K00020
LB101	VLP0359A102	CHIP BEAD	
PP101	K1KA26A00078	CONNECTOR	
Q101	2SB970X	TRANSISTOR	
Q501	2SB1462-R	TRANSISTOR	
Q502	2SB1462-R	TRANSISTOR	
Q503	2SB1462-R	TRANSISTOR	
Q504	2SB1073	TRANSISTOR	
Q505	HN1B04FUGRR	TRANSISTOR	B1HFCFE00001
Q506	HN1B04FUGRR	TRANSISTOR	B1HFCFE00001
Q507	HN1B04FUGRR	TRANSISTOR	B1HFCFE00001
Q508	2SD2216	TRANSISTOR	
QR101	UN5219	TRANSISTOR-RESISTOR	
QR501	XP1212	TRANSISTOR-TRANSISTOR	
QR502	XP1212	TRANSISTOR-TRANSISTOR	
QR503	XP1212	TRANSISTOR-TRANSISTOR	
R101	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R102	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R103	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R104	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R106	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R107	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R108	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R109	ERJ2GEJ221	M.RESISTOR CH 1/16W 220	
R110	ERJ2GEJ221	M.RESISTOR CH 1/16W 220	
R111	ERJ2GEJ181	M.RESISTOR CH 1/16W 180	
R112	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R113	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	
R115	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R116	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R117	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	
R118	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	
R119	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	
R120	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	
R123	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	
R125	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R126	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R148	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R149	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	

Ref. No.	Part No.	Part Name& Description	Remarks
R150	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R151	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R152	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R153	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R501	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	
R502	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R503	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R504	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R505	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R506	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R507	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R508	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R509	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R510	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R511	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R512	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R513	ERJ2GEJ154	M.RESISTOR CH 1/16W 150K	
R514	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R515	ERJ2GEJ681	M.RESISTOR CH 1/16W 680	
R516	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R517	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R518	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R519	ERJ2GEJ154	M.RESISTOR CH 1/16W 150K	
R520	ERJ2GEJ681	M.RESISTOR CH 1/16W 680	
R521	ERJ2GEJ681	M.RESISTOR CH 1/16W 680	
R522	ERJ2GEJ154	M.RESISTOR CH 1/16W 150K	
R523	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R524	ERJ2RHD112	M.RESISTOR CH 1/16W 1.1K	
R525	ERJ2RHD152	M.RESISTOR CH 1/16W 1.5K	
R526	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R527	ERJ2RHD102	M.RESISTOR CH 1/16W 1K	
R528	ERJ2RHD152	M.RESISTOR CH 1/16W 1.5K	
R529	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R530	ERJ2RHD102	M.RESISTOR CH 1/16W 1K	
R531	ERJ2RHD132	M.RESISTOR CH 1/16W 1.3K	
R532	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R533	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R534	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R535	ERJ2RMJ153	M.RESISTOR CH 1/16W 15K	
R536	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	
R543	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R544	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R545	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R547	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R555	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R556	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R567	ERJ2RMJ153	M.RESISTOR CH 1/16W 15K	
R568	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R569	ERJ2RMJ153	M.RESISTOR CH 1/16W 15K	
R570	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R571	ERJ2RMJ153	M.RESISTOR CH 1/16W 15K	
R572	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R577	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R578	ERJ2GEJ154	M.RESISTOR CH 1/16W 150K	

Ref. No.	Part No.	Part Name& Description	Remarks
R579	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R580	ERJ2GEJ154	M.RESISTOR CH 1/16W 150K	
R589	ERJ2GEJ122	M.RESISTOR CH 1/16W 1.2K	
R590	ERJ2GEJ122	M.RESISTOR CH 1/16W 1.2K	
R591	ERJ2GEJ122	M.RESISTOR CH 1/16W 1.2K	
W101	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
W103	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
X101	VCR0512	CRYSTAL OSCILLATOR	
	VMG1135	DUMPER	
	VMG1135	DUMPER	
	VGQ2179	CUSHION	
■	VEP01877B	POWER C.B.A.	(RTL)
C1001	ECUM1C106VB	C.CAPACITOR CH 16V 10U	
C1003	ECUM1C106VB	C.CAPACITOR CH 16V 10U	
C1005	ECUM1A335KBN	C.CAPACITOR CH 10V 3.3U	
C1011	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C1012	ECUM1A335KBN	C.CAPACITOR CH 10V 3.3U	
C1013	ECUX1E331KBQ	C.CAPACITOR CH 25V 330P	
C1014	ECUX1A473KBQ	C.CAPACITOR CH 10V 0.047U	
C1016	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1018	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1021	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C1022	ECUM1A335KBN	C.CAPACITOR CH 10V 3.3U	
C1023	ECUX1E331KBQ	C.CAPACITOR CH 25V 330P	
C1024	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	
C1025	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C1026	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1027	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1029	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1031	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C1032	ECUM1A335KBN	C.CAPACITOR CH 10V 3.3U	
C1033	ECUX1E331KBQ	C.CAPACITOR CH 25V 330P	
C1034	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	
C1035	ECST0GY476Z	T.CAPACITOR CH 4V 47U	
C1036	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1037	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1038	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C1039	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1041	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C1042	ECUM1A335KBN	C.CAPACITOR CH 10V 3.3U	
C1044	ECUX1E331KBQ	C.CAPACITOR CH 25V 330P	
C1045	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
C1046	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1052	ECUM1E105KBM	C.CAPACITOR CH 25V 1U	
C1053	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	
C1054	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	
C1055	ECUM1E105KBM	C.CAPACITOR CH 25V 1U	
C1056	ECUM1C105KBP	C.CAPACITOR CH 16V 1U	
C1057	ECUM1C105KBP	C.CAPACITOR CH 16V 1U	
C1063	ECUM1A225KBN	C.CAPACITOR CH 10V 2.2U	
C1064	ECUM1A225KBN	C.CAPACITOR CH 10V 2.2U	
C1065	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002

[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name& Description	Remarks
C1066	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1085	ECUM1E105KBM	C.CAPACITOR CH 25V 1U	
C1093	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
C1094	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1096	ECST0GY476Z	T.CAPACITOR CH 4V 47U	
C1097	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1101	ECUX1H101JCQ	C.CAPACITOR CH 50V 100P	
C1102	ECUX1A334KBV	C.CAPACITOR CH 10V 0.33U	
C1103	ECUX1A473KBQ	C.CAPACITOR CH 10V 0.047U	
C1104	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C1105	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1106	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C1107	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1108	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1111	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	
C1112	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C1113	ECUX1H151JCQ	C.CAPACITOR CH 50V 150P	
C1114	ECUX1H390JCQ	C.CAPACITOR CH 50V 39P	
C1116	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1121	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	
C1122	ECUX1C682KBQ	C.CAPACITOR CH 16V 6800P	
C1123	ECUX1H151JCQ	C.CAPACITOR CH 50V 150P	
C1124	ECUX1H390JCQ	C.CAPACITOR CH 50V 39P	
C1125	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1128	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1129	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C1131	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	
C1132	ECUX1C822KBQ	C.CAPACITOR CH 16V 8200P	
C1133	ECUX1H151JCQ	C.CAPACITOR CH 50V 150P	
C1134	ECUX1H390JCQ	C.CAPACITOR CH 50V 39P	
C1141	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C1142	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	
C1143	ECUX1H151JCQ	C.CAPACITOR CH 50V 150P	
C1144	ECUX1H390JCQ	C.CAPACITOR CH 50V 39P	
C1151	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	
C1152	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C1153	ECUX1H151JCQ	C.CAPACITOR CH 50V 150P	
C1154	ECUX1H820JCQ	C.CAPACITOR CH 50V 82P	
C1155	ECUM1A225KBN	C.CAPACITOR CH 10V 2.2U	
C1156	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
D1051	B0JCGF000004	DIODE	
D1052	MA111	DIODE	
D1101	MA8120-L	DIODE	
D1151	MA8160-H	DIODE	
D1152	MA111	DIODE	
D1401	MA781WA	DIODE	
D1403	1SS388	DIODE	
D1404	MA132WK	DIODE	
D1405	MA132WA	DIODE	
D1411	1SS388	DIODE	
D1421	1SS388	DIODE	
FP1001	VJS3320B030	CONNECTOR (FEMALE) 30P	
FP1002	VJS4273B014	CONNECTOR (FEMALE) 14P	
FP1003	VJS4096B008	CONNECTOR (FEMALE) 8P	

Ref. No.	Part No.	Part Name& Description	Remarks
FP1004	VJS4096B010	CONNECTOR (FEMALE) 10P	
IC1001	BA9734AKV	IC	C0DBAFA00012
IC1002	NJM2406F	IC	
IC1091	S816A32AMC	IC	
IC1092	S816A26AMCT2	IC	C0ZBZ0000312
IP1001	VSF0233F31	IC PROTECTOR	⚠
L1001	VLQ0900M4R7	COIL 4.7UH	
L1011	VLQ0902M330	COIL 33UH	
L1012	VLQ0900M4R7	COIL 4.7UH	
L1014	VLQ0855K100	COIL 10UH	G1C100K00020
L1018	VLQ0855K100	COIL 10UH	G1C100K00020
L1021	VLQ0900M150	COIL 15UH	
L1022	VLQ0900M4R7	COIL 4.7UH	
L1023	VLQ0855K100	COIL 10UH	G1C100K00020
L1025	VLQ0855K100	COIL 10UH	G1C100K00020
L1026	VLQ0855K100	COIL 10UH	G1C100K00020
L1028	VLQ0855K100	COIL 10UH	G1C100K00020
L1029	VLQ0855K100	COIL 10UH	G1C100K00020
L1031	VLQ0902M150	COIL 15UH	
L1032	VLQ0900M4R7	COIL 4.7UH	
L1033	VLQ0779K100	COIL 10UH	G1C100KA0005
L1034	VLQ0319K100	COIL 10UH	G1C100K00023
L1041	VLQ0900M150	COIL 15UH	
L1042	VLQ0900M4R7	COIL 4.7UH	
L1051	VLQ0855K100	COIL 10UH	G1C100K00020
L1052	VLQ0855K100	COIL 10UH	G1C100K00020
L1061	VLQ0902M330	COIL 33UH	
L1062	VLQ0827M101	COIL 100UH	
L1081	VLQ0855K100	COIL 10UH	G1C100K00020
L1091	VLQ0900M4R7	COIL 4.7UH	
L1092	VLQ0779M4R7	COIL 4.7UH	G1C4R7MA0002
LB1001	VLP0332A420	CHIP BEAD	
PP1001	VJP4263A080	CONNECTOR (MALE) 80P	
Q1011	FP102	TRANSISTOR	
Q1021	FP102	TRANSISTOR	
Q1022	2SK2151	TRANSISTOR	
Q1031	FP102	TRANSISTOR	
Q1041	FP102	TRANSISTOR	
Q1042	2SK2151	TRANSISTOR	
Q1051	2SB798A	TRANSISTOR	B1BDBD000002
Q1052	2SA1832FY	TRANSISTOR	
Q1053	2SD2216	TRANSISTOR	
Q1054	XP1401	TRANSISTOR-TRANSISTOR	
Q1055	2SC4738FY	TRANSISTOR	
Q1056	2SA1832FY	TRANSISTOR	
Q1061	FP102	TRANSISTOR	
Q1062	FP102	TRANSISTOR	
Q1091	2SB798A	TRANSISTOR	
Q1092	2SB798A	TRANSISTOR	
Q1101	2SA1832FY	TRANSISTOR	
Q1401	2SA1036	TRANSISTOR	
Q1402	XP1501	TRANSISTOR-TRANSISTOR	
Q1411	B1DHCC000019	TRANSISTOR	
QR1001	RN2102F	TRANSISTOR-RESISTOR	

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Ref. No.	Part No.	Part Name& Description	Remarks
QR1004	RN2111F	TRANSISTOR-RESISTOR	
QR1050	RN1104F	TRANSISTOR-RESISTOR	
QR1101	RN1107F	TRANSISTOR-RESISTOR	
QR1411	RN1107F	TRANSISTOR-RESISTOR	
QR1412	RN1105F	TRANSISTOR-RESISTOR	
QR1421	RN1105F	TRANSISTOR-RESISTOR	
R1001	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	
R1002	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	
R1003	ERJ2GEJ225	M.RESISTOR CH 1/16W 2.2M	
R1005	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R1008	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1010	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1011	ERJ6RBB682	M.RESISTOR CH 1/10W 6.8K	
R1012	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1013	ERJ3RBD331	M.RESISTOR CH 1/16W 330	
R1014	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	
R1015	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	
R1020	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1021	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	
R1022	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1023	ERJ3RBD391	M.RESISTOR CH 1/16W 390	
R1024	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	
R1025	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	
R1030	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1031	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	
R1032	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1033	ERJ3RBD221	M.RESISTOR CH 1/16W 220	
R1034	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	
R1035	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	
R1040	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1041	ERJ6RBB122	M.RESISTOR CH 1/10W 1.2K	
R1042	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1043	ERJ3RBD391	M.RESISTOR CH 1/16W 390	
R1044	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	
R1045	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R1050	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1051	ERJ6RBB273	M.RESISTOR CH 1/10W 27K	
R1052	ERJ2RKD820	M.RESISTOR CH 1/16W 82	
R1053	ERJ3RBD201	M.RESISTOR CH 1/16W 200	
R1054	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	
R1055	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	
R1057	ERJ2RHD113	M.RESISTOR CH 1/16W 11K	
R1058	ERJ2RHD751	M.RESISTOR CH 1/16W 750	
R1059	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	
R1101	ERJ2RHD223	M.RESISTOR CH 1/16W 22K	
R1102	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R1103	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R1104	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	
R1105	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	
R1107	ERJ2GEJ225	M.RESISTOR CH 1/16W 2.2M	
R1108	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1109	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R1111	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R1112	ERJ2GEJ822	M.RESISTOR CH 1/16W 8.2K	

Ref. No.	Part No.	Part Name& Description	Remarks
R1121	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R1122	ERJ2GEJ682	M.RESISTOR CH 1/16W 6.8K	
R1131	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R1132	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R1141	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R1142	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R1151	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R1152	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R1153	ERJ2RHD123	M.RESISTOR CH 1/16W 12K	
R1154	ERJ2RHD473	M.RESISTOR CH 1/16W 47K	
R1155	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R1156	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	
R1157	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	
R1192	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R1195	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R1251	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1252	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1253	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1254	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1255	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1256	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1401	ERJ2RHD332	M.RESISTOR CH 1/16W 3.3K	
R1402	ERJ2RHD683	M.RESISTOR CH 1/16W 68K	
R1403	ERJ2RHD683	M.RESISTOR CH 1/16W 68K	
R1404	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	
R1405	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	
R1411	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R1412	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R1413	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R1414	ERJ2GEJ683	M.RESISTOR CH 1/16W 68K	
R1415	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	
T1051	G5DYA0000028	TRANSFORMER	
VZ1008	VRT0158	TRANSIENT/SURGE ABSORBER	D4ED12710002
VZ1009	VRT0158	TRANSIENT/SURGE ABSORBER	D4ED12710002
	VGQ5963	BARRIER	
■	VEP26233C	MONITOR C.B.A.	(RTL)
C901	ECUM1C105KBP	C.CAPACITOR CH 16V 1U	
C902	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
C903	ECUM1C105KBP	C.CAPACITOR CH 16V 1U	
C904	ECUM1C106VB	C.CAPACITOR CH 16V 10U	
C905	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C906	ECUX1C333KBQ	C.CAPACITOR CH 16V 0.033U	
C907	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C908	ECUX1H330JCQ	C.CAPACITOR CH 50V 33P	
C909	ECUX1H330JCQ	C.CAPACITOR CH 50V 33P	
C910	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	
C911	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C912	ECST0JX107Z	T.CAPACITOR CH 6.3V 100U	
C916	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C917	ECUM1C106VB	C.CAPACITOR CH 16V 10U	
C918	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C919	ECST0JY106	T.CAPACITOR CH 6.3V 10U	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name& Description	Remarks
C922	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C926	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	
C927	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	
C928	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	
C929	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C930	ECUX1A105VBV	C.CAPACITOR CH 10V 1U	
C931	ECUM1A335KBN	C.CAPACITOR CH 10V 3.3U	
C932	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C935	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C936	ECUM1A335KBN	C.CAPACITOR CH 10V 3.3U	
C937	ECUM1A335KBN	C.CAPACITOR CH 10V 3.3U	
C938	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C939	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
D901	MA111	DIODE	
D902	MA133	DIODE	
D903	1SS388	DIODE	
D904	1SS388	DIODE	
FP901	VJS4194B026	CONNECTOR (FEMALE) 26P	
FP903	VJS3971B021	CONNECTOR (FEMALE) 21P	
FP904	VJS3971B017	CONNECTOR (FEMALE) 17P	
FP905	VJS4297B006	CONNECTOR (FEMALE) 6P	
IC901	LC27247BTRK0	IC	C1ZBZ0001583
IC902	AN2555FBQ	IC	
IC903	TA75S558F	IC	
IC904	TC4W53FU	IC	
IC905	TC7SET08FU	IC	
L901	VLQ0807K100	COIL 10UH	G1C100K00024
L902	VLQ0807K100	COIL 10UH	G1C100K00024
L903	VLQ0807K100	COIL 10UH	G1C100K00024
L904	VLQ0426J3R3	COIL 3.3UH	G1C3R3J00009
L906	VLQ0807K100	COIL 10UH	G1C100K00024
L907	VLQ0807K220	COIL 22UH	G1C220K00016
L908	VLQ0807K220	COIL 22UH	G1C220K00016
LB901	VLP0359A102	CHIP BEAD	
Q901	2SK2159	TRANSISTOR	
Q902	2SC4738FY	TRANSISTOR	
Q903	HN1B04FUGRR	TRANSISTOR	B1HFCFE00001
Q904	HN1B04FUGRR	TRANSISTOR	B1HFCFE00001
Q910	2SC4738FY	TRANSISTOR	
QR901	RN1104F	TRANSISTOR-RESISTOR	
QR902	RN1707R	TRANSISTOR-RESISTOR	B1GBCFJN0018
R901	ERJ2GEJ561	M.RESISTOR CH 1/16W 560	
R902	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	
R903	ERJ8GEYJ335	M.RESISTOR CH 1/8W 3.3M	
R904	ERJ8GEYJ335	M.RESISTOR CH 1/8W 3.3M	
R905	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	
R906	ERJ2GEJ821	M.RESISTOR CH 1/16W 820	
R907	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R908	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R909	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R910	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R911	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	
R912	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R913	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	

Ref. No.	Part No.	Part Name& Description	Remarks
R915	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R916	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R917	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R918	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R919	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R920	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	
R922	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	
R923	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	
R924	ERJ2GEJ152	M.RESISTOR CH 1/16W 1.5K	
R925	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	
R927	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R928	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R929	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	
R930	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R932	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R933	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R934	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R935	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R936	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R937	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R938	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R939	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R940	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R941	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R942	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R943	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R944	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R945	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R946	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R947	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	
R948	ERJ2RMJ153	M.RESISTOR CH 1/16W 15K	
R949	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R950	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R951	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R952	ERJ2RMJ153	M.RESISTOR CH 1/16W 15K	
R953	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R954	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R955	ERJ2RHD104	M.RESISTOR CH 1/16W 100K	
R956	ERJ2RMJ153	M.RESISTOR CH 1/16W 15K	
R957	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R959	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R960	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	
R963	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	
R964	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	
T901	ETJ09K49AZ	CHIP TRANSFORMER	
T902	EFTU21R203	TRANSFORMER	
W901	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
W907	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
■	VEP04751B	FRONT (B) C.B.A.	(RTL)
C2501	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C4901	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	
C4902	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name& Description	Remarks
C4903	ECUX0J105VBV	C.CAPACITOR CH 6.3V 1U	
C4905	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
C4908	ECUX0J105VBV	C.CAPACITOR CH 6.3V 1U	
C4910	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
C4911	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
C4912	ECUX0J105VBV	C.CAPACITOR CH 6.3V 1U	
C4914	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C4915	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	
C4916	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C4917	ECUX1C223KBQ	C.CAPACITOR CH 16V 0.022U	
C4950	ECUX1E472KBQ	C.CAPACITOR CH 25V 4700P	
C4951	ECUX1E472KBQ	C.CAPACITOR CH 25V 4700P	
C4952	ECUM1E391KBQ	C.CAPACITOR CH 25V 390P	
C4953	EEJK0JS106	E.CAPACITOR 6.3V 10U	
C4954	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C4955	EEJK0JS106	E.CAPACITOR 6.3V 10U	
C4956	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C4957	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C4958	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	F1J1A1050002
C4959	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C4960	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C4961	ECUX1A473KBQ	C.CAPACITOR CH 10V 0.047U	
C4962	F1J0J475A006	CERAMIC CAPACITOR	
C6401	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C6402	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
D2502	02DZ6.2YTPH3	DIODE	B0BC6R100014
D6801	CL150UR	LED	B3AAB0000050
FL4901	J0MAB0000085	FILTER	
FL4902	J0MAB0000085	FILTER	
FP4901	K1MN06B00038	CONNECTOR	
FP4902	VJS4297B006	CONNECTOR (FEMALE) 6P	
FP4903	VJS4264B033	CONNECTOR (FEMALE) 33P	
FP4904	VJS4274B006	CONNECTOR (FEMALE) 6P	
IC4901	NJM2172V	IC	
IR6401	PNA4611M05VT	IR RECEIVER	
JK2501	VJJ0552	JACK (4-PIN)	K2HC104E0002
JK4901	VJJ0414	MIC JACK	K2HC105E0003
JK4902	VJJ0668	AV JACK (4-PIN)	K2HC106B0005
LB2501	VLP0357A601	CHIP BEAD	
LB2502	VLP0357A601	CHIP BEAD	
LB2503	VLP0357A601	CHIP BEAD	
LB2504	VLP0357A601	CHIP BEAD	
LB4901	VLP0329A121	CHIP BEAD	
LB4934	VLP0357A601	CHIP BEAD	
LB4936	VLP0357A601	CHIP BEAD	
Q4901	2SC4116GR	TRANSISTOR	
Q4902	2SA1586	TRANSISTOR	
Q4903	2SC4116GR	TRANSISTOR	
Q4904	2SA1586	TRANSISTOR	
Q4905	2SC4738FY	TRANSISTOR	
Q4906	2SC4738FY	TRANSISTOR	
Q4907	2SC4738FY	TRANSISTOR	
QR4903	RN1103F	TRANSISTOR-RESISTOR	
QR4904	RN1103F	TRANSISTOR-RESISTOR	

Ref. No.	Part No.	Part Name& Description	Remarks
R2501	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R2502	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R4901	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	
R4902	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R4903	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	
R4904	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	
R4905	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	
R4906	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	
R4907	ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	
R4908	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	
R4909	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R4910	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	
R4911	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R4912	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	
R4913	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	
R4914	ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	
R4915	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	
R4916	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	
R4917	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	
R4918	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	
R4919	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	
R4920	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R4922	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R4923	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	
R4924	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	
R4925	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	
R4926	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	
R4927	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	
R4928	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	
R4929	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	
R4930	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	
R4935	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	
R4937	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R4938	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R4950	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	
R4951	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	
R4952	ERJ2GEJ823	M.RESISTOR CH 1/16W 82K	
R4953	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R4954	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	
R4955	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R4960	ERJ2GEJ563	M.RESISTOR CH 1/16W 56K	
R4961	ERJ2GEJ563	M.RESISTOR CH 1/16W 56K	
R4964	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R4999	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	
R6402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	
R6803	ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	
VZ4901	VRT0158	TRANSIENT/SURGE ABSORBER	D4ED12710002
	VSC5011	MIC SHIELD CASE	
	VGQ5770	R SENSOR HOLDER	
■	VEP27210A	FRONT (A) C.B.A.	(RTL)
C451	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
C453	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name& Description	Remarks
C455	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C456	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C458	ECUM1A226MBP	C.CAPACITOR CH 10V 22U	
C459	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C460	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C461	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	
C462	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	
C464	ECUX1E222KBQ	C.CAPACITOR CH 25V 2200P	
C465	ECUM1A226MBP	C.CAPACITOR CH 10V 22U	
C467	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C468	ECUX1E471KBQ	C.CAPACITOR CH 25V 470P	
C470	ECUX0J105KBV	C.CAPACITOR CH 50V 1U	
C471	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C480	ECST0GY226	T.CAPACITOR CH 4V 22U	
C481	ECST0GY226	T.CAPACITOR CH 4V 22U	
C482	ECST0GY226	T.CAPACITOR CH 4V 22U	
C483	ECST0GY226	T.CAPACITOR CH 4V 22U	
C484	ECUX1A104KBQ	C.CAPACITOR CH 10V 0.1U	
C485	VCS0JP106	E.CAPACITOR 6.3V 10U	
C6403	ECST0JY226Z	T.CAPACITOR CH 6.3V 22U	
D451	02DZ6.2YTPH3	DIODE	B0BC6R100014
D452	02DZ6.2YTPH3	DIODE	B0BC6R100014
D453	02DZ6.2YTPH3	DIODE	B0BC6R100014
FP451	VJS4264B033	CONNECTOR (FEMALE) 33P	
FP452	VJS3320B005	CONNECTOR (FEMALE) 5P	
IC451	TC7W66FU	IC	
IC452	NJM3403AV	IC	
IC453	NJM2143R	IC	C0ABAA000045
IC480	L2ES00000004	IC	
IC481	L2ES00000003	IC	
IC482	NJM2125F	IC	C0ABAA000042
JK3801	VJJ0568	RCA JACK	
JK6401	VJJ0667	JACK (8-PIN)	K2HZ108B0003
L451	VLQ0807K100	COIL 10UH	G1C100K00024
L452	VLQ0807K100	COIL 10UH	G1C100K00024
L480	VLQ0807K100	COIL 10UH	G1C100K00024
L6402	G1C100KA0023	CHIP INDUCTOR	
LB451	VLP0357A601	CHIP BEAD	
LB472	VLP0329A121	CHIP BEAD	
LB473	VLP0329A121	CHIP BEAD	
LB6401	VLP0357A601	CHIP BEAD	
LB6402	VLP0357A601	CHIP BEAD	
LB6405	VLP0357A601	CHIP BEAD	
LB6406	VLP0357A601	CHIP BEAD	
LB6407	VLP0357A601	CHIP BEAD	
R452	ERJ2GEJ274	M.RESISTOR CH 1/16W 270K	
R453	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	
R454	ERJ2GEJ434	M.RESISTOR CH 1/16W 430K	
R455	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	
R456	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R457	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R458	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R459	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R460	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	

Ref. No.	Part No.	Part Name& Description	Remarks
R461	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R462	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	
R463	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	
R464	ERJ2GEJ434	M.RESISTOR CH 1/16W 430K	
R465	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	
R466	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	
R467	ERJ2GEJ274	M.RESISTOR CH 1/16W 270K	
R469	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R470	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R471	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
R481	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	
R482	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	
R483	ERJ2RHD392	M.RESISTOR CH 1/16W 3.9K	
R484	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	
R485	ERJ2RHD132	M.RESISTOR CH 1/16W 1.3K	
R486	ERJ2RHD621	M.RESISTOR CH 1/16W 620	
W481	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
W482	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
W483	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
W484	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	
■	VEP22300A	AWT SENSOR C.B.A.	(RTL)
C441	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C442	ECST0JY475	T.CAPACITOR CH 6.3V 4.7U	
C443	ECST0JY106	T.CAPACITOR CH 6.3V 10U	
FP441	VJS3319B006	CONNECTOR (FEMALE) 6P	
IC441	M52944FP	IC	C1AB00000794
L441	VLQ0807K100	COIL 10UH	G1C100K00024
QR441	UN9212	TRANSISTOR-RESISTOR	
R441	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	
S6504	EVQQW101M	SWITCH	
	VGQ6099	BARRIER	
	VGQ6103	PROTECT SHEET	
■	VEP06D62A	GRIP C.B.A.	(RTL)
B6101	VSB0407	BATTERY	
D6101	CL190UR	DIODE	
D6102	SML-310MT	DIODE	B3ABB0000091
D6103	CL190D	DIODE	
D6104	CL190UR	DIODE	
FP6101	VJS3498A008	CONNECTOR (FEMALE) 8P	
FP6102	VJS4298B008	CONNECTOR (FEMALE) 8P	
FP6103	VJS3971B033	CONNECTOR (FEMALE) 33P	
R6101	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	
S6104	VSS0392	SLIDE SWITCH	K0D112B00074
S6202	VSP1102	SWITCH	K0H1BA000260
S6211	VSP0584	SWITCH	
S6212	VSP0584	SWITCH	
	VEP06D43B	GRIP FLEX. CARD	

Ref. No.	Part No.	Part Name& Description	Remarks
■	VEP20795A	CAMERA OP. FLEX. CARD	(RTL)
S6501	EVQQW101M	SWITCH	
S6502	EVQQW101M	SWITCH	
S6503	EVQQW101M	SWITCH	
S6504	EVQQW101M	SWITCH	
S6505	VSS0549	SWITCH	K0D113B00029
S6506	VSR0223	ENCODER SWITCH	
■	VEP000F5A	MMC/SD FLEX. CARD	(RTL)
HS3401	K1NA09E00002	CONNECTOR	
■	VEK8977	MIC UNIT	
	VEK8978	ECM FLEX.	
■	VEP06D42A	HALL SENSOR FLEX. CARD	(RTL)
IC991	DN8797MS	HALL IC	
IC992	DN8797MS	HALL IC	
■	VEP000P4A	HOT SHOE FLEX. CARD	(RTL)
S4051	VSP0584	SWITCH	
■	VEP03F33A	S JACK FLEX. CARD	(RTL)
JK3001	VJJ0670	S JACK	K2HZ104A0002
■	VEP22298B	CCD FLEX. CARD C.B.A.	(RTL)
C201	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C202	ECST1VY105	T.CAPACITOR CH 35V 1U	
C203	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C204	ECST1VY105	T.CAPACITOR CH 35V 1U	
C205	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C206	ECST1VY105	T.CAPACITOR CH 35V 1U	
C207	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C208	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
C209	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	
D201	MA143	DIODE	
D202	MA143	DIODE	
D203	MA143	DIODE	
L201	VLP0145	COIL	
L202	VLP0145	COIL	
L203	VLP0145	COIL	
PS201	VJS3500A026	CONNECTOR (FEMALE) 26P	
Q201	2SA1532	TRANSISTOR	
Q202	2SA1532	TRANSISTOR	
Q203	2SA1532	TRANSISTOR	
R201	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	

Ref. No.	Part No.	Part Name& Description	Remarks
R202	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	
R203	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	
R204	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	
R205	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	
R206	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	
R207	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	
R208	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	
R209	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	
	VJB22298	CCD FLEX. CARD	
■	VEP20794A	MF SENSOR FLEX. CARD	(RTL)
Q710	CNA1312K01VT	PHOTO SENSOR	
Q711	CNA1312K01VT	PHOTO SENSOR	
■	VEP28272A	EVF (A) FLEX. CARD	(RTL)
FP801	VJS4013B019	CONNECTOR (FEMALE) 19P	
FP802	VJS4353B016	CONNECTOR (FEMALE) 16P	
■	VEP28275A	EVF (B) FLEX. CARD	(RTL)
BL881	A2CD00000029	BACK LIGHT	
C802	ECUM1A226MBP	C.CAPACITOR CH 10V 22U	
L881	VLQ0779K100	COIL 10UH	G1C100KA0005
Q881	2SK2055	TRANSISTOR	
T881	ETJ11K90AM	CHIP TRANSFORMER	

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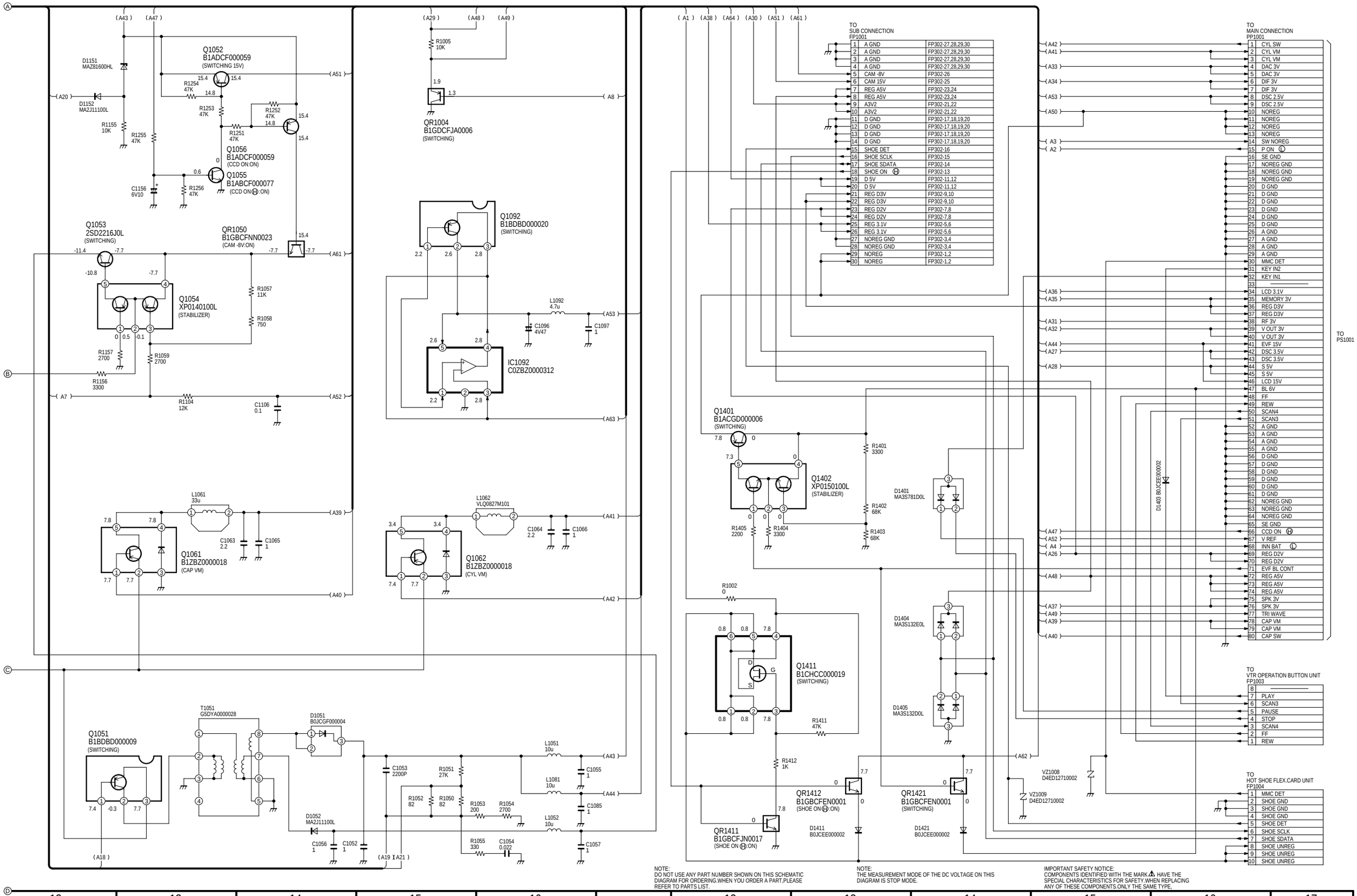

Q1052
B1ADCF000059
(SWITCHING 15V)
D1151
MAZ81600HL
D1152
MAZ2J11100L
R1155
10K
R1255
47K
R1254
47K
R1253
47K
R1252
47K
R1251
47K
Q1056
B1ADCF000059
(CCD ON:ON)
Q1055
B1ABCF000077
(CCD ON:H:ON)
C1156
6V10
R1256
47K
Q1053
2SD2216J0L
(SWITCHING)
QR1050
B1GBCFNN0023
(CAM -8V:ON)
Q1054
XP0140100L
(STABILIZER)
R1057
11K
R1058
750
R1157
2700
R1059
2700
R1156
3300
R1104
12K
C1106
0.1
R1005
10K
QR1004
B1GDCFJA0006
(SWITCHING)
Q1092
B1BDBD000020
(SWITCHING)
L1092
4.7u
C1096
4V47
C1097
1
IC1092
C0ZBZ0000312
L1061
33u
C1063
2.2
C1065
1
Q1061
B1ZBZ0000018
(CAP VM)
L1062
VLQ0827M101
C1064
2.2
C1066
1
Q1062
B1ZBZ0000018
(CYL VM)
Q1051
B1BDBD000009
(SWITCHING)
T1051
G5DYA0000028
D1051
B0JCGF000004
D1052
MA2J11100L
C1053
2200P
R1051
27K
R1052
82
R1050
82
R1053
200
R1054
2700
R1055
330
C1054
0.022
L1051
10u
L1081
10u
L1052
10u
C1055
1
C1085
1
C1057
1
C1056
1
C1052
1
Q1401
B1ACGD000006
(SWITCHING)
Q1402
XP0150100L
(STABILIZER)
R1401
3300
R1402
68K
R1403
68K
R1405
2200
R1404
3300
D1401
MA3S781D0L
R1002
0
Q1411
B1CHCC000019
(SWITCHING)
R1411
47K
R1412
1K
QR1412
B1GBCFEN0001
(SHOE ON:H:ON)
QR1421
B1GBCFEN0001
(SWITCHING)
QR1411
B1GBCFJN0017
(SHOE ON:H:ON)
D1411
B0JCEE000002
D1421
B0JCEE000002
D1404
MA3S132E0L
D1405
MA3S132D0L
D1403 B0JCEE000002
VZ1008
D4ED12710002
VZ1009
D4ED12710002
TO
SUB CONNECTION
FP1001
1 A GND FP302-27,28,29,30
2 A GND FP302-27,28,29,30
3 A GND FP302-27,28,29,30
4 A GND FP302-27,28,29,30
5 CAM -8V FP302-26
6 CAM 15V FP302-25
7 REG A5V FP302-23,24
8 REG A5V FP302-23,24
9 A3V2 FP302-21,22
10 A3V2 FP302-21,22
11 D GND FP302-17,18,19,20
12 D GND FP302-17,18,19,20
13 D GND FP302-17,18,19,20
14 D GND FP302-17,18,19,20
15 SHOE DET FP302-16
16 SHOE SCLK FP302-15
17 SHOE SDATA FP302-14
18 SHOE ON (H) FP302-13
19 D 5V FP302-11,12
20 D 5V FP302-11,12
21 REG D3V FP302-9,10
22 REG D3V FP302-9,10
23 REG D2V FP302-7,8
24 REG D2V FP302-7,8
25 REG 3.1V FP302-5,6
26 REG 3.1V FP302-5,6
27 NOREG GND FP302-3,4
28 NOREG GND FP302-3,4
29 NOREG FP302-1,2
30 NOREG FP302-1,2
TO
MAIN CONNECTION
PP1001
1 CYL SW
2 CYL VM
3 CYL VM
4 DAC 3V
5 DAC 3V
6 DIF 3V
7 DIF 3V
8 DSC 2.5V
9 DSC 2.5V
10 NOREG
11 NOREG
12 NOREG
13 NOREG
14 SW NOREG
15 P ON (L)
16 SE GND
17 NOREG GND
18 NOREG GND
19 NOREG GND
20 D GND
21 D GND
22 D GND
23 D GND
24 D GND
25 D GND
26 A GND
27 A GND
28 A GND
29 A GND
30 MMC DET
31 KEY IN2
32 KEY IN1
33 ———
34 LCD 3.1V
35 MEMORY 3V
36 REG D3V
37 REG D3V
38 RF 3V
39 V OUT 3V
40 V OUT 3V
41 EVF 15V
42 DSC 3.5V
43 DSC 3.5V
44 S 5V
45 S 5V
46 LCD 15V
47 BL 6V
48 FF
49 REW
50 SCAN4
51 SCAN3
52 A GND
53 A GND
54 A GND
55 A GND
56 D GND
57 D GND
58 D GND
59 D GND
60 D GND
61 D GND
62 NOREG GND
63 NOREG GND
64 NOREG GND
65 SE GND
66 CCD ON (H)
67 V REF
68 INN BAT (L)
69 REG D2V
70 REG D2V
71 EVF BL CONT
72 REG A5V
73 REG A5V
74 REG A5V
75 SPK 3V
76 SPK 3V
77 TRI WAVE
78 CAP VM
79 CAP VM
80 CAP SW
TO
PS1001
TO
VTR OPERATION BUTTON UNIT
FP1003
8 ———
7 PLAY
6 SCAN3
5 PAUSE
4 STOP
3 SCAN4
2 FF
1 REW
TO
HOT SHOE FLEX.CARD UNIT
FP1004
1 MMC DET
2 SHOE GND
3 SHOE GND
4 SHOE GND
5 SHOE DET
6 SHOE SCLK
7 SHOE SDATA
8 SHOE UNREG
9 SHOE UNREG
10 SHOE UNREG
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.WHEN REPLACING ANY OF THESE COMPONENTS,ONLY THE SAME TYPE.

Power C.B.A.

Integrated Circuit	
IC1001	D-7
IC1002	B-8
IC1091	D-6
IC1092	E-9

Transistor	
Q1011	C-7
Q1021	C-6
Q1022	D-6
Q1031	C-6
Q1041	B-6
Q1042	B-6
Q1051	D-6
Q1052	E-7
Q1053	F-7
Q1054	F-7
Q1055	F-7
Q1056	E-7
Q1061	C-6
Q1062	C-6
Q1091	E-6
Q1092	E-9
Q1101	F-8
Q1401	E-1
Q1402	E-8
Q1411	E-2

Transistor & Resistor	
QR1001	E-2
QR1004	C-8
QR1050	F-7
QR1101	F-8
QR1411	E-1
QR1412	E-1
QR1421	E-8

Diode	
D1051	D-2
D1052	D-3
D1101	F-8
D1151	F-8
D1152	F-8
D1401	B-2
D1403	A-3
D1404	E-2
D1405	E-2
D1411	E-1
D1421	E-8

Connector	
FP1001	C-1
FP1002	D-4
FP1003	A-2
FP1004	F-2
PP1001	B-7

Transformer	
T1051	D-3

Fuse	
IP1001	D-3

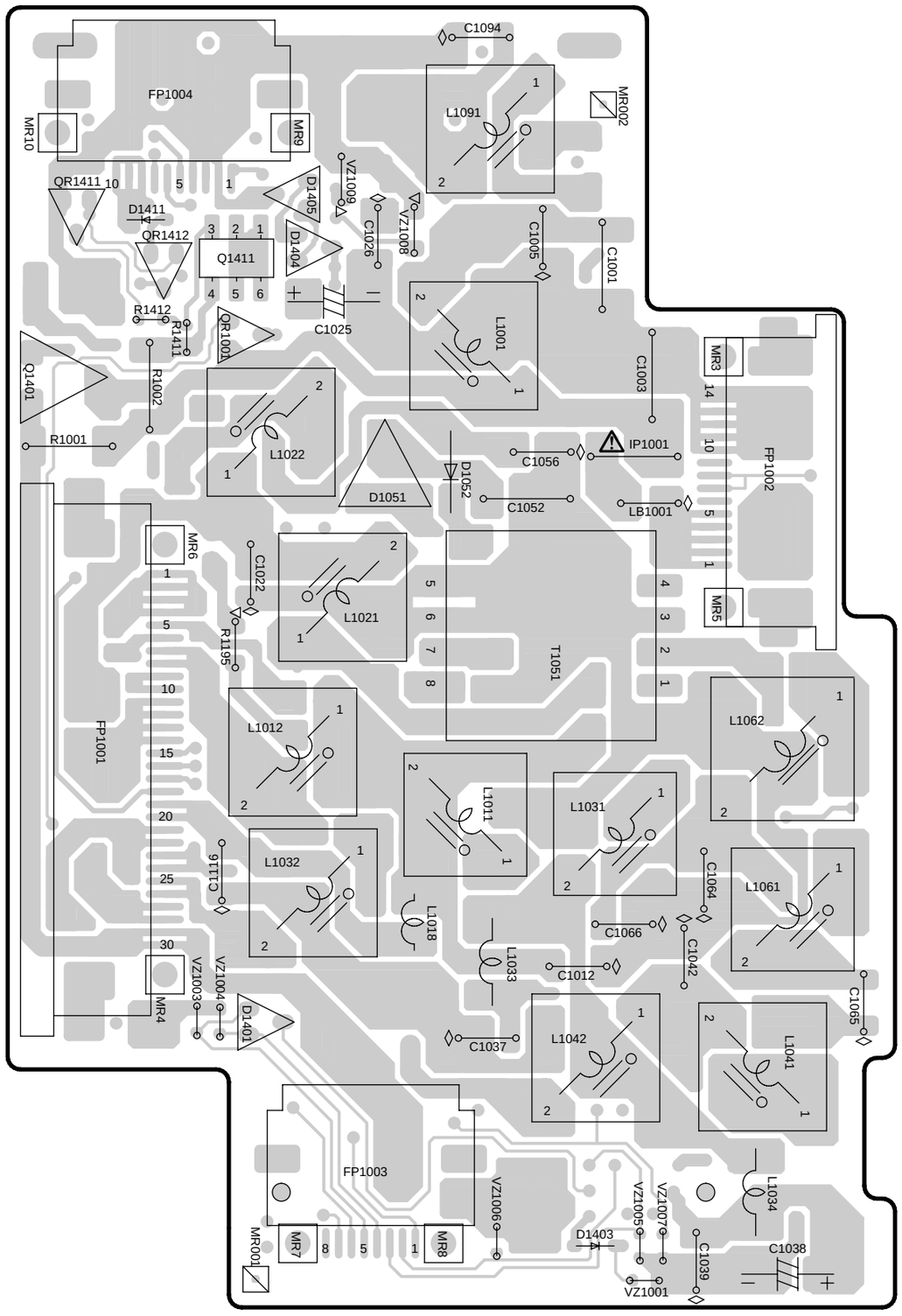
Coil	
L1001	E-3
L1011	C-3
L1012	C-2
L1014	B-6
L1018	C-2
L1021	D-2
L1022	D-2
L1023	C-9
L1025	C-9
L1026	C-8
L1028	B-9
L1029	C-9
L1031	C-3
L1032	C-2
L1033	B-3
L1034	A-4
L1041	B-4
L1042	B-3
L1051	E-7
L1052	E-8
L1061	C-4
L1062	C-4
L1081	E-8
L1091	F-3
L1092	D-9
LB1001	D-3

Absorber	
VZ1008	E-2
VZ1009	E-2

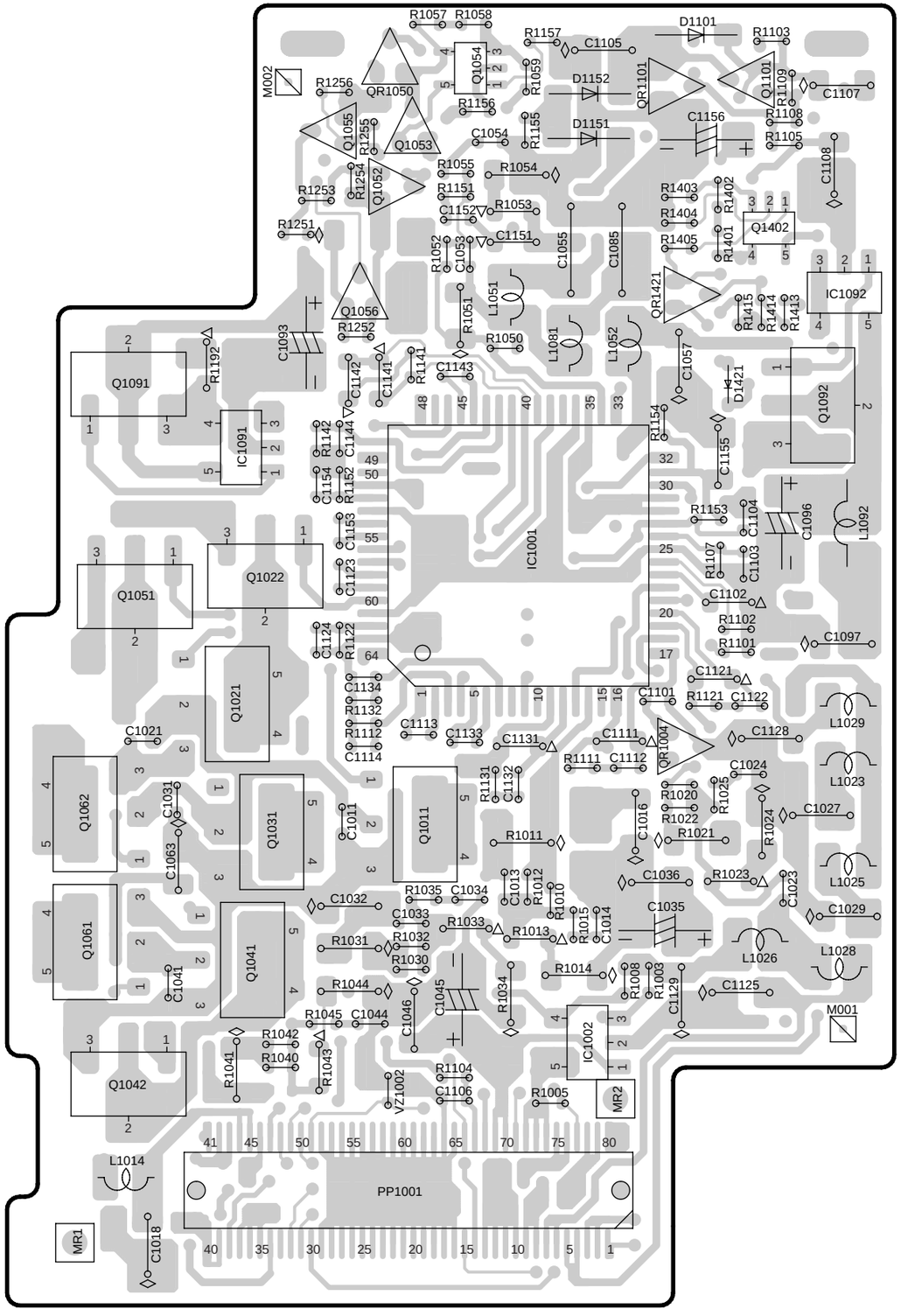
Capacitor	
C1001	E-3
C1003	E-3
C1005	E-3
C1011	C-7
C1012	B-3
C1013	C-7
C1014	C-8
C1016	C-8
C1018	A-6
C1021	C-6
C1022	D-2
C1023	C-9
C1024	C-8
C1025	E-2
C1026	E-2
C1027	C-9
C1029	C-9
C1031	C-6
C1032	C-7
C1033	C-7
C1034	C-7
C1035	C-8
C1036	C-8
C1037	B-3
C1038	A-4
C1039	A-4
C1041	B-6
C1042	B-3
C1044	B-7
C1045	B-7
C1046	B-7
C1052	D-3
C1053	E-7
C1054	F-7
C1055	E-8
C1056	D-3
C1057	E-8
C1063	C-6
C1064	C-4
C1065	B-4
C1066	C-3
C1085	E-8
C1093	E-7
C1094	F-3
C1096	D-9
C1097	D-9
C1101	C-8
C1102	D-8
C1103	D-8
C1104	D-8
C1105	F-8
C1106	B-7
C1107	F-9
C1108	F-9
C1111	C-8
C1112	C-8
C1113	C-7
C1114	C-7
C1116	C-2
C1121	D-8
C1122	C-8
C1123	D-7
C1124	D-7
C1125	B-8
C1128	C-8
C1129	B-8
C1131	C-7
C1132	C-7
C1133	C-7
C1134	D-7
C1141	E-7
C1142	E-7
C1143	E-7
C1144	E-7
C1151	E-7
C1152	E-7
C1153	D-7
C1154	D-7
C1155	D-8
C1156	F-8

Resistor	
R1001	D-1
R1002	E-1
R1003	B-8
R1005	B-8
R1008	B-8
R1010	C-8
R1011	C-7
R1012	C-8
R1013	C-8
R1014	B-8
R1015	C-8
R1020	C-8
R1021	C-8
R1022	C-8
R1023	C-8
R1024	C-8
R1025	C-8
R1030	B-7
R1031	C-7
R1032	C-7
R1033	C-7
R1034	B-7
R1035	C-7
R1040	B-7
R1041	B-6
R1042	B-7
R1043	B-7
R1044	B-7
R1045	B-7
R1050	E-7
R1051	E-7
R1052	E-7
R1053	E-7
R1054	F-7
R1055	F-7
R1057	F-7
R1058	F-7
R1059	F-8
R1101	D-8
R1102	D-8
R1103	F-8
R1104	B-7
R1105	F-9
R1107	D-8
R1108	F-9
R1109	F-9
R1111	C-8
R1112	C-7
R1121	C-8
R1122	D-7
R1131	C-7
R1132	C-7
R1141	E-7
R1142	E-7
R1151	E-7
R1152	D-7
R1153	D-8
R1154	E-8
R1155	F-8
R1156	F-7
R1157	F-8
R1192	E-6
R1195	D-2
R1251	E-7
R1252	E-7
R1253	E-7
R1254	F-7
R1255	F-7
R1256	F-7
R1401	E-8
R1402	E-8
R1403	E-8
R1404	E-8
R1405	E-8
R1411	E-2
R1412	E-1
R1413	E-9
R1414	E-8
R1415	E-8

POWER C.B.A. : VEP01877B



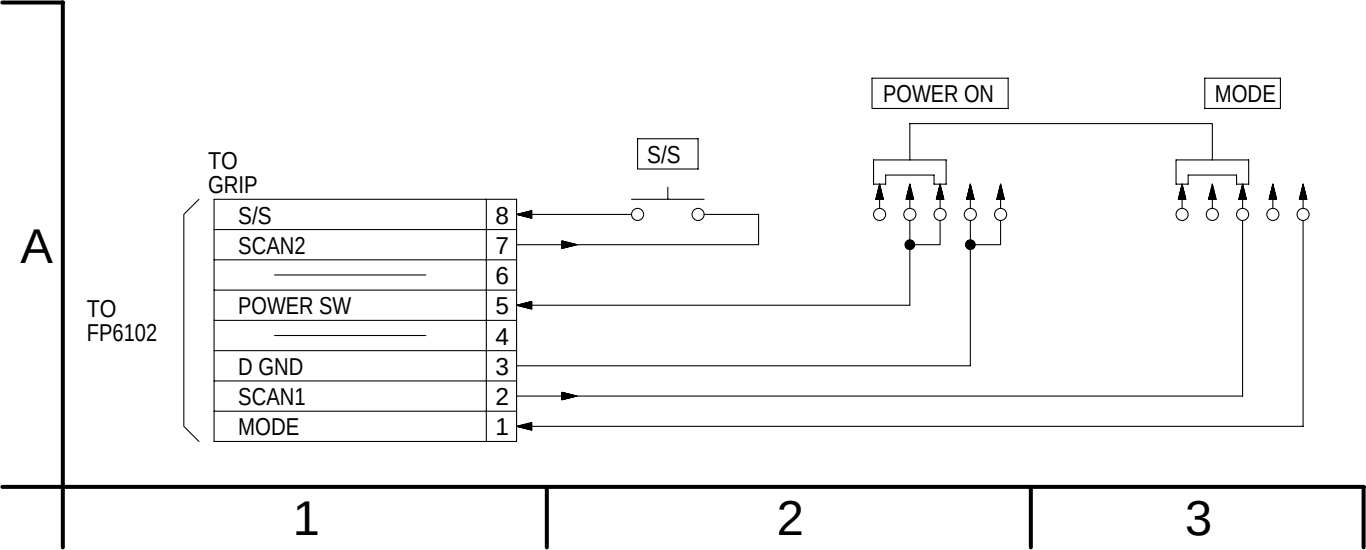
(COMPONENT SIDE)



(FOIL SIDE)

NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.


A
1
2
3
TO
GRIP
S/S
SCAN2
POWER SW
D GND
SCAN1
MODE
8
7
6
5
4
3
2
1
TO
FP6102
S/S
POWER ON
MODE

TO
CCD FLEX.CARD
PP101

V3 RB	26	A1
V4 RB	25	A2
SIS B	24	D1
A GND(B)	23	
SUB B	22	A3
15V	21	
SIG R	20	D2
A GND(RG)	19	
A GND(RG)	18	
SIG G	17	D3
-8V	16	
V3 G	15	A4
V4 G	14	A5
V1 G	13	A6
V2 G	12	A7
R	11	D4
SUB G	10	A8
H2 G	9	A9
H1 G	8	A10
H2 B	7	A11
H1 B	6	A12
H2 R	5	A13
H1 R	4	A14
SUB R	3	
V1 RB	2	A15
V2 RB	1	A16

TO PS201

C154 0.47
C102 0.47
C107 0.47
R119 1M
C106 1000P
R118 1M
C105 1000P
R117 1M
C101 1000P

TL101
CL101
C108 10V470
C119 0.1
C131 0.47
C130 35V1

IC109
C0JBAB000276
R153 0
R152 0
R151 0
R101 100
R104 100
R148 0
R149 0
R150 0
VDD
GND

IC107
C0ZBZ0000194
(V.DRIVE G)
DSUB VL ØV2 VM13 ØV1 VCC V1 CH1 V2 ISUB

IC108
C0ZBZ0000194
(V.DRIVE R.B)
VHH VM24 ØV4 ØV3 VH GND V3 CH2 V4 NC

C133 6V10

L106 G1C100M00019
L102 G1C100M00019

R102 100
C135 0.1
C104 6V15
QR101
UNR521900L
(INV.)

Q101
2SB0970X0L
(SWITCHING)
R112 1K
R116 10K

IC102
C0CBZGA00006
(REGULATOR)

D101
MA6Z12100L

X101
VCR0512

C114 0.1
C113 4V22

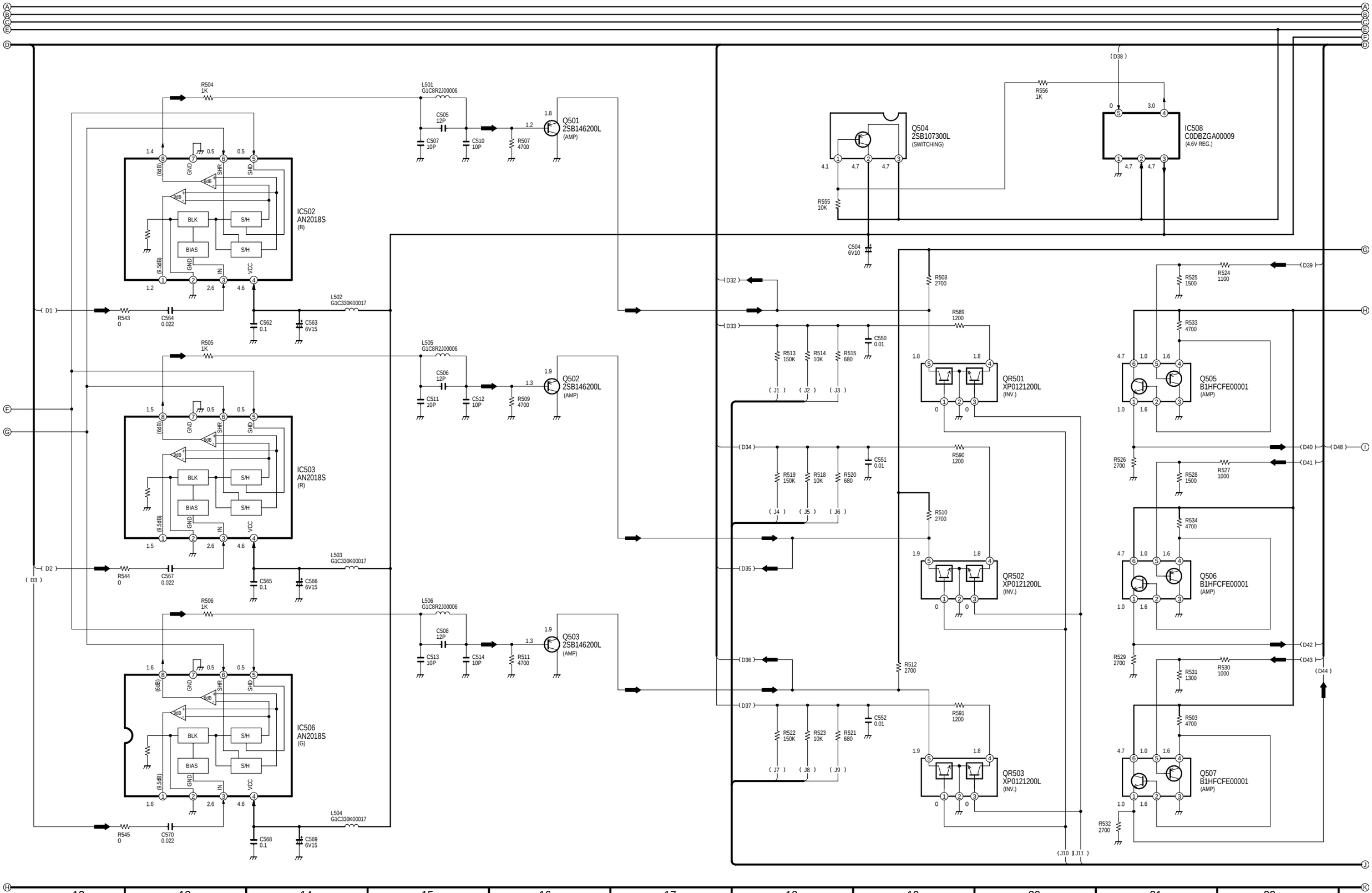
R120 100
C122 10P
R103 0
R113 100
C121 10P
R123 100K
C103 1

IC101
MN52A1
(CCD DRIVE)
FCK2I TEST6 ADCLK2 TEST5 ADCLK1 NC NC NC VSS VDD3 CCDSEL TWMD NSEL2 NSEL1 DMCNT OBCNT DS2WI
FCK2O PDOWN CLR FCKO TEST1 VSS VDD3 SCLK SDATA SCS CPOB CPDM CP1 CP2 HD2 HD
VD VD2 PBLK HCLR FH2 FV2 TEST2 VSS VDD3 TEST3 V1 V2 V3 V4 CH1 CH2
DS2WO DS2 DS1 DS1WO DS1WI TEST4 RWO RWI VDD3 VSS5 R H1 H2 VDD5 VSS SUB

1/2
H PULSE GEN.
H TIMING S/R
HCLR GEN.
Hi-SPEED PULSE DECODET
V TIMING S/R
SERIAL DATA INPUT
PROCESS PULSE DECODER
V PULSE DECODER
CH PULSE DECODER

R125 0
C110 10P
R126 0
C117 10P
R106 0
R107 0
R108 0
R115 0
R110 220
C111 10P
R109 220
C109 10P
R111 180
C112 27P

G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 H



12 13 14 15 16 17 18 19 20 21 22

:VIDEO MAIN SIGNAL PATH

LB101 J0JAD0000002
L107 G1C100M00019
L108 G1C100M00019

TO SUB CONNECTION FP501

1	A GND	FP301-33
2	A GND	FP301-32
3	A GND	FP301-31
4	ANALOG PS	FP301-30
5	AD IN G	FP301-29
6	CAM 5VA	FP301-28
7	CAM 5VA	FP301-27
8	CAM 5VA	FP301-26
9	AD IN R	FP301-25
10	AP 5V	FP301-24
11		FP301-23
12	AD IN B	FP301-22
13	CAM 3V SEN	FP301-21
14	CAM 3V SEN	FP301-20
15	CAM 3V SEN	FP301-19
16	CAM 15V	FP301-18
17	CAM 15V	FP301-17
18		FP301-16
19	ADJ SIG	FP301-15
20	CAM -8V	FP301-14
21	EVR LD	FP301-13
22	EVR DATA	FP301-12
23	EVR CLK	FP301-11
24	FCK	FP301-10
25	2FCK	FP301-9
26	CG CS	FP301-8
27		FP301-7
28	HD2	FP301-6
29	HD	FP301-5
30	VD	FP301-4
31	VD2	FP301-3
32	A GND	FP301-2
33	A GND	FP301-1

L507 G1C100K00020
L513 G1C100K00020

IC504 C1AB00001214 (ANALOG PROCESS)

IC501 C0ZBZ0000042

Q508 2SD2216J0L (AMP)

R501 2200

IC507 C0FBBD000107 (D/A CONV.)

L512 G1C100K00024

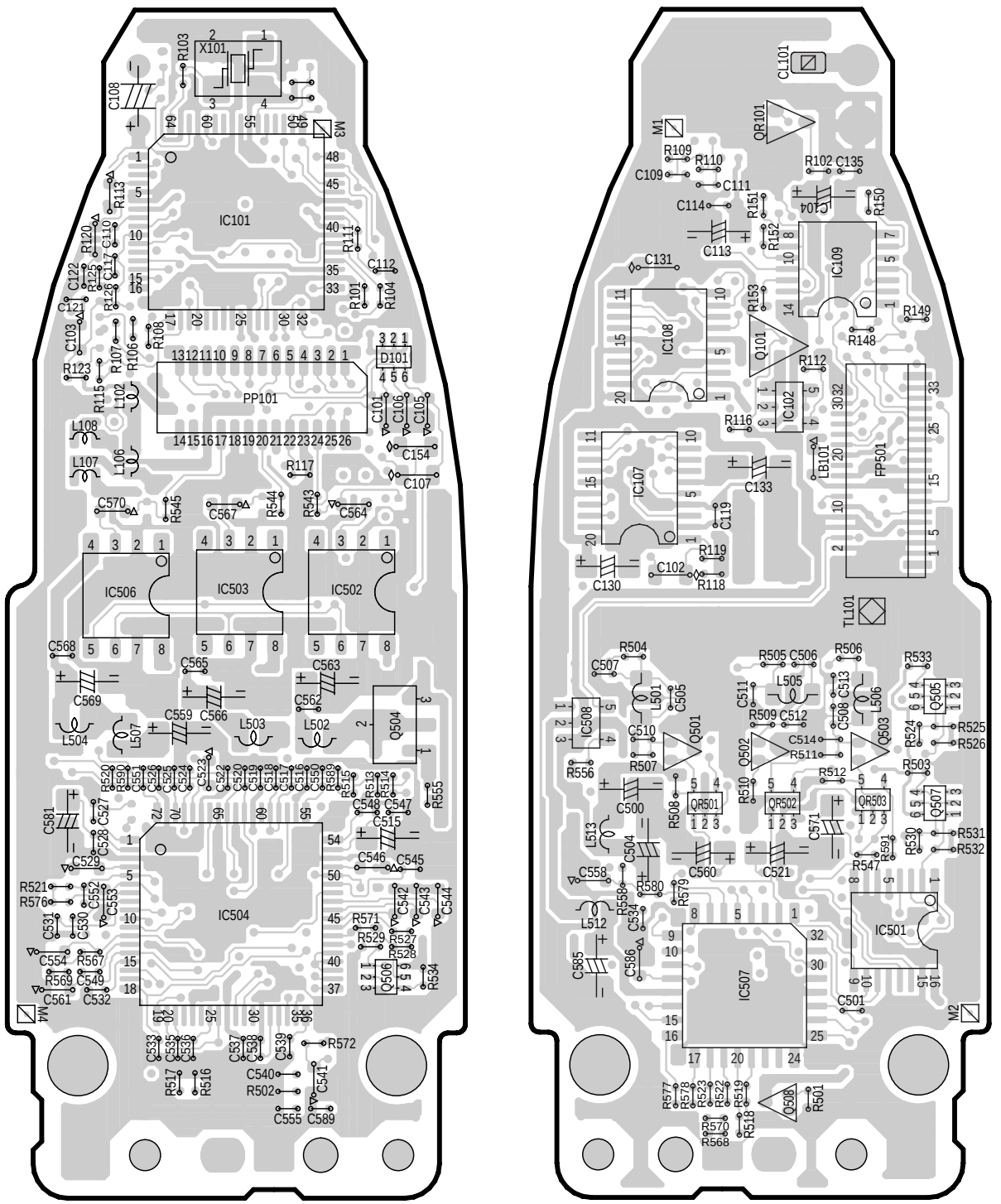
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

CAMERA SUB C.B.A.

Integarted Circuit	
IC101	E-2
IC102	D-4
IC107	D-3
IC108	D-3
IC109	E-4
IC501	B-4
IC502	C-2
IC503	C-2
IC504	B-2
IC506	C-1
IC507	B-4
IC508	C-3
Transistor	
Q101	D-4
Q501	C-3
Q502	C-4
Q503	C-4
Q504	C-2
Q505	C-4
Q506	B-2
Q507	B-4
Q508	A-4
Transistor & Resistor	
QR101	E-4
QR501	B-3
QR502	B-4
QR503	B-4
Connector	
FP501	D-4
PP101	D-2
Test Point	
CL101	E-4
TL101	C-4
Diode	
D101	D-2
Coil	
L102	D-1
L106	D-1
L107	D-1
L108	D-1
L501	C-3
L502	C-2
L503	C-2
L504	C-1
L505	C-4
L506	C-4
L507	C-1
L512	B-3
L513	B-3
LB101	D-4
Crystal Oscillator	
X101	E-2
Capacitor	
C101	D-2
C102	C-3
C103	D-1
C104	E-4
C105	D-2
C106	D-2
C107	D-2
C108	E-1
C109	E-3
C110	E-1
C111	E-3
C112	E-2
C113	E-4
C114	E-4
C117	E-1
C119	D-4
C121	D-1
C122	D-1
C130	C-3
C131	E-3
C133	D-4
C135	E-4
C154	D-2
C500	C-3
C501	B-4
C504	B-3
C505	C-3
C506	C-4
C507	C-3
C508	C-4
C510	C-3
C511	C-4
C512	C-4
C513	C-4
C514	C-4
C515	B-2
C516	B-2
C517	B-2
C518	B-2
C519	B-2
C520	B-2
C521	B-4
C522	B-2
C523	C-2
C524	B-1
C525	B-1
C526	B-1
C527	B-1
C528	B-1
C529	B-1
C530	B-1
C531	B-1
C532	B-1
C533	A-1
C534	B-3
C535	A-1
C536	A-1
C537	A-2
C538	A-2
C539	A-2
C540	A-2
C541	A-2
C542	B-2
C543	B-2
C544	B-2
C545	B-2
C546	B-2
C547	B-2
C548	B-2
C549	B-1
C550	B-2
C551	B-1
C552	B-1
C553	B-1
C554	B-1
C555	A-2
C558	B-3
C559	C-1
C560	B-3
C561	B-1
C562	C-2
C563	C-2
C564	D-2
C565	C-2
C566	C-2
C567	D-2
C568	C-1
C569	C-1
C570	D-1
C571	B-4
C581	B-1
C585	B-3
C586	B-3
C589	A-2
Resistor	
R101	D-2
R102	E-4
R103	E-1
R104	D-2
R106	D-1
R107	D-1
R108	D-1
R109	E-3
R110	E-3
R111	E-2
R112	D-4
R113	E-1
R115	D-1
R116	D-4
R117	D-2
R118	C-3
R119	C-3
R120	E-1
R123	D-1
R125	D-1
R126	D-1
R148	D-4
R149	D-4
R150	E-4
R151	E-4
R152	E-4
R153	D-4
R501	A-4
R502	A-2
R503	C-4
R504	C-3
R505	C-4
R506	C-4
R507	C-3
R508	C-3
R509	C-4
R510	C-4
R511	C-4
R512	C-4
R513	B-2
R514	B-2
R515	B-2
R516	A-2
R517	A-1
R518	A-4
R519	A-4
R520	B-1
R521	B-1
R522	A-4
R523	A-3
R524	C-4
R525	C-4
R526	C-4
R527	B-2
R528	B-2
R529	B-2
R530	B-4
R531	B-4
R532	B-4
R533	C-4
R534	B-2
R543	D-2
R544	D-2
R545	D-1
R547	B-4
R555	B-2
R556	C-3
R558	B-3
R567	B-1
R568	A-4
R569	B-1
R570	A-4
R571	B-2
R572	A-2
R576	B-1
R577	A-3
R578	A-3
R579	B-3
R580	B-3
R589	B-2
R590	B-1
R591	B-4

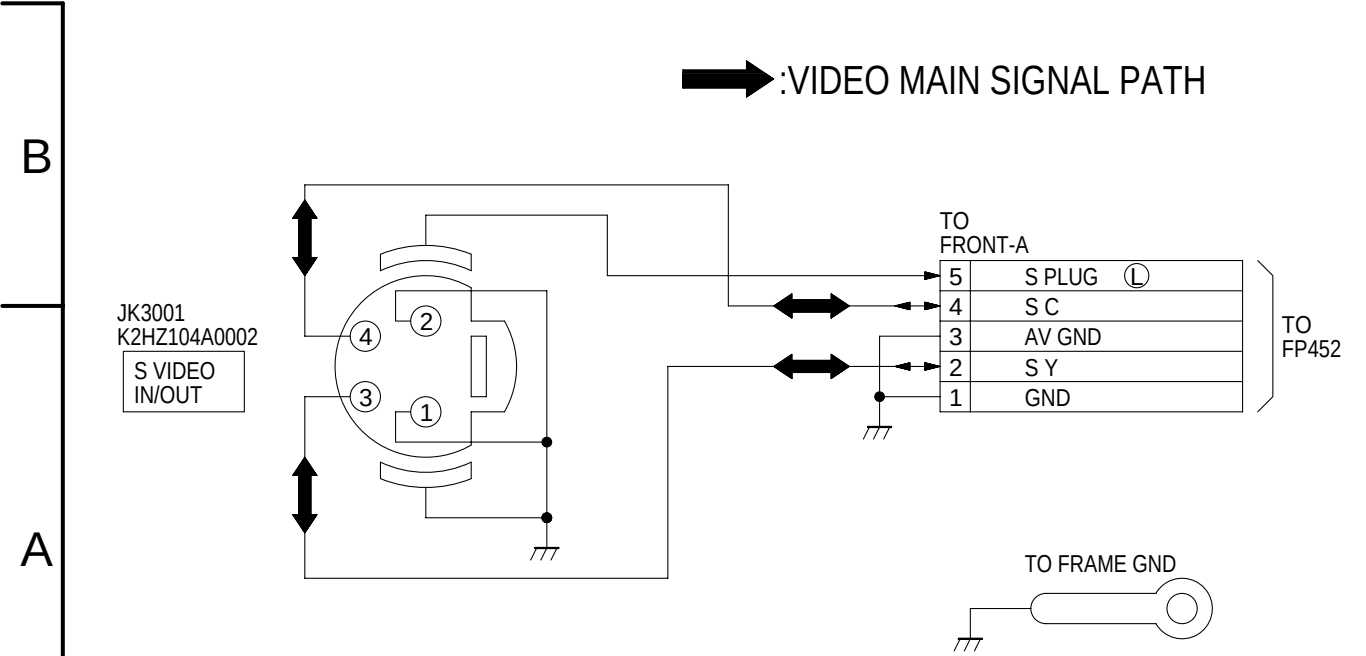
CAMERA SUB C.B.A. : VEP22296B



(COMPONENT SIDE) (FOIL SIDE)

NOTE:MULTILAYER C.B.A.

THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.


:VIDEO MAIN SIGNAL PATH
B
A
JK3001
K2HZ104A0002
S VIDEO
IN/OUT
4
2
3
1
TO
FRONT-A
5
S PLUG
L
4
S C
3
AV GND
2
S Y
1
GND
TO
FP452
TO FRAME GND
NOTE:
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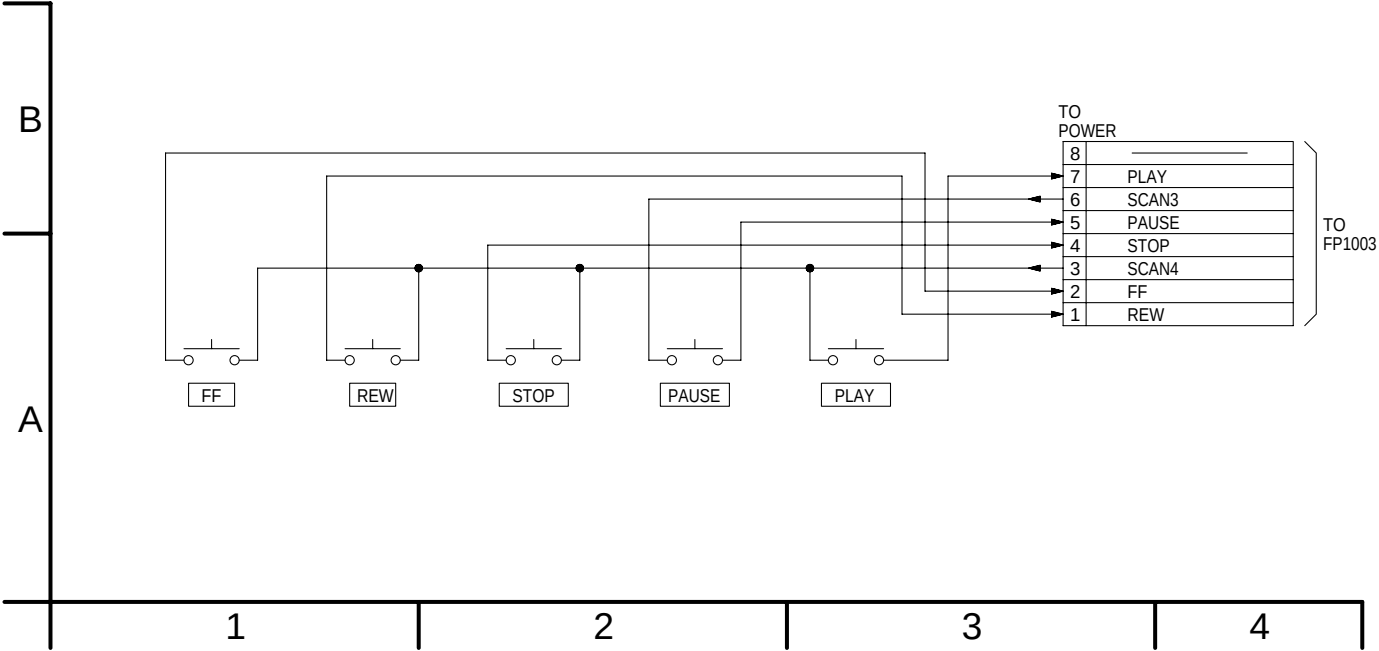
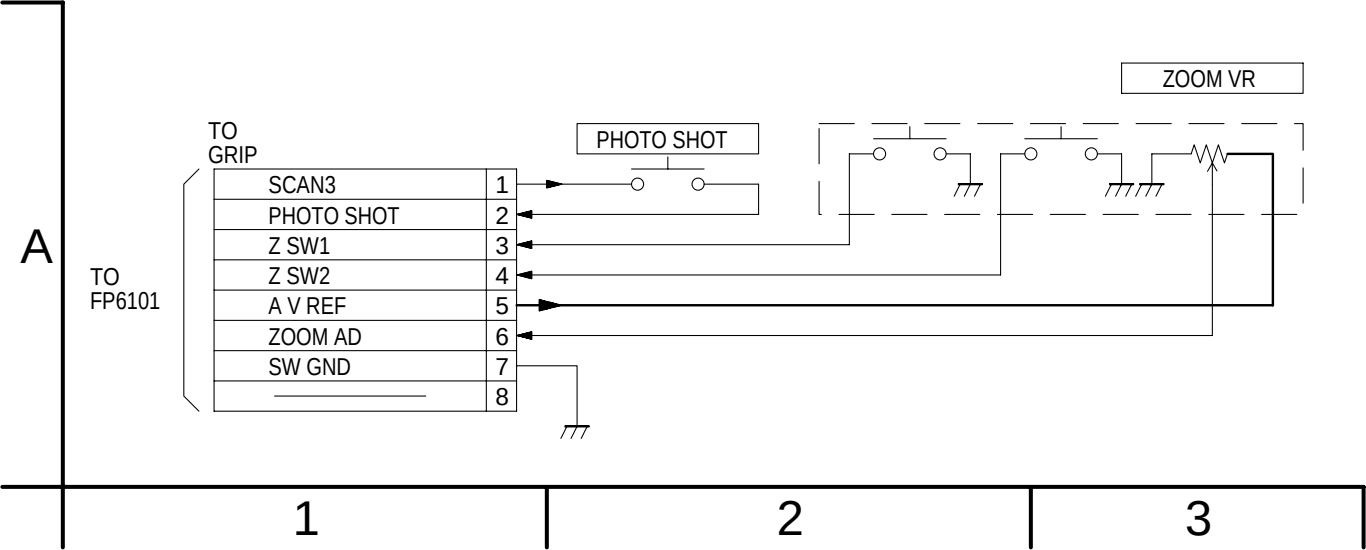
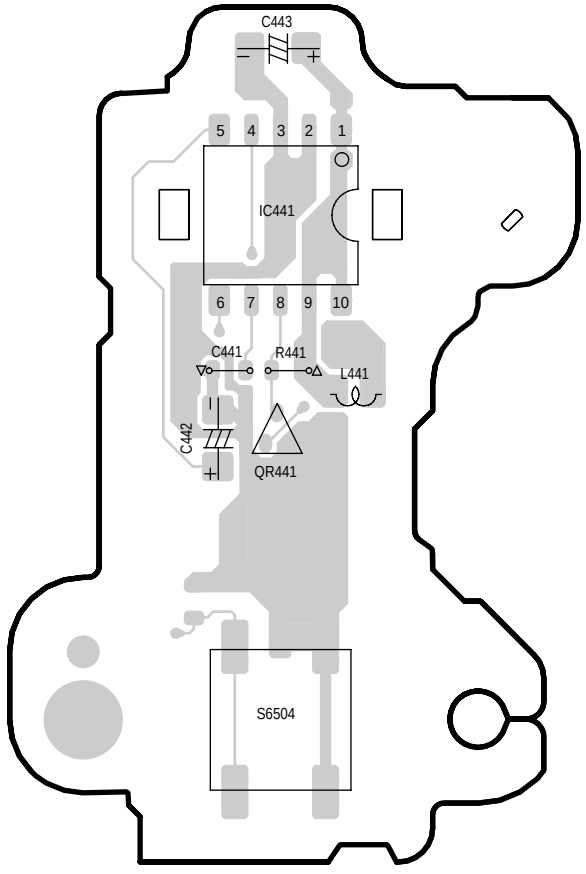
1
2
3

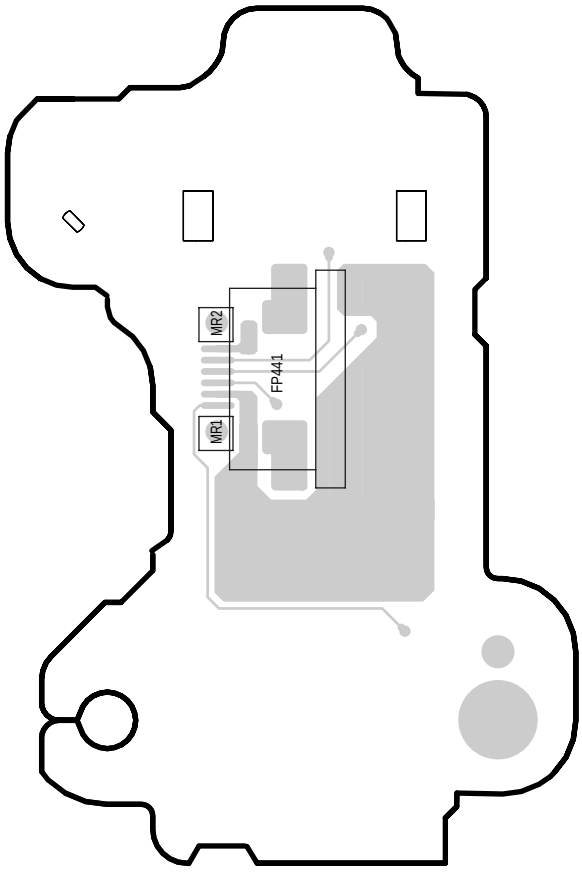

B
A
1
2
3
4
TO
POWER
8
7
PLAY
6
SCAN3
5
PAUSE
4
STOP
3
SCAN4
2
FF
1
REW
TO
FP1003
FF
REW
STOP
PAUSE
PLAY


ZOOM VR
TO
GRIP
PHOTO SHOT
SCAN3 1
PHOTO SHOT 2
Z SW1 3
Z SW2 4
A V REF 5
ZOOM AD 6
SW GND 7
8
TO
FP6101
A
1
2
3

AWT SENSOR C.B.A. : VEP22300A



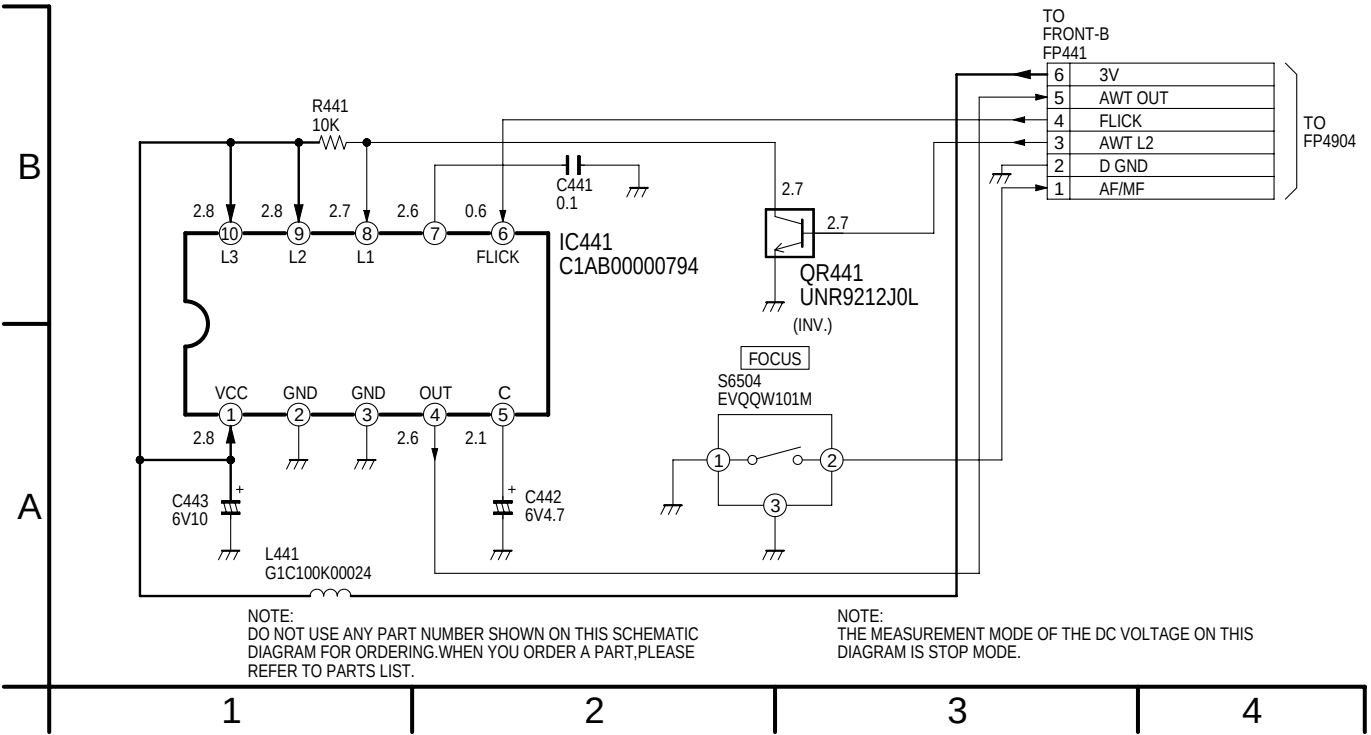
(CONPONENT SIDE)



(FOIL SIDE)

C B A

1 2 3 4 5



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NOTE:
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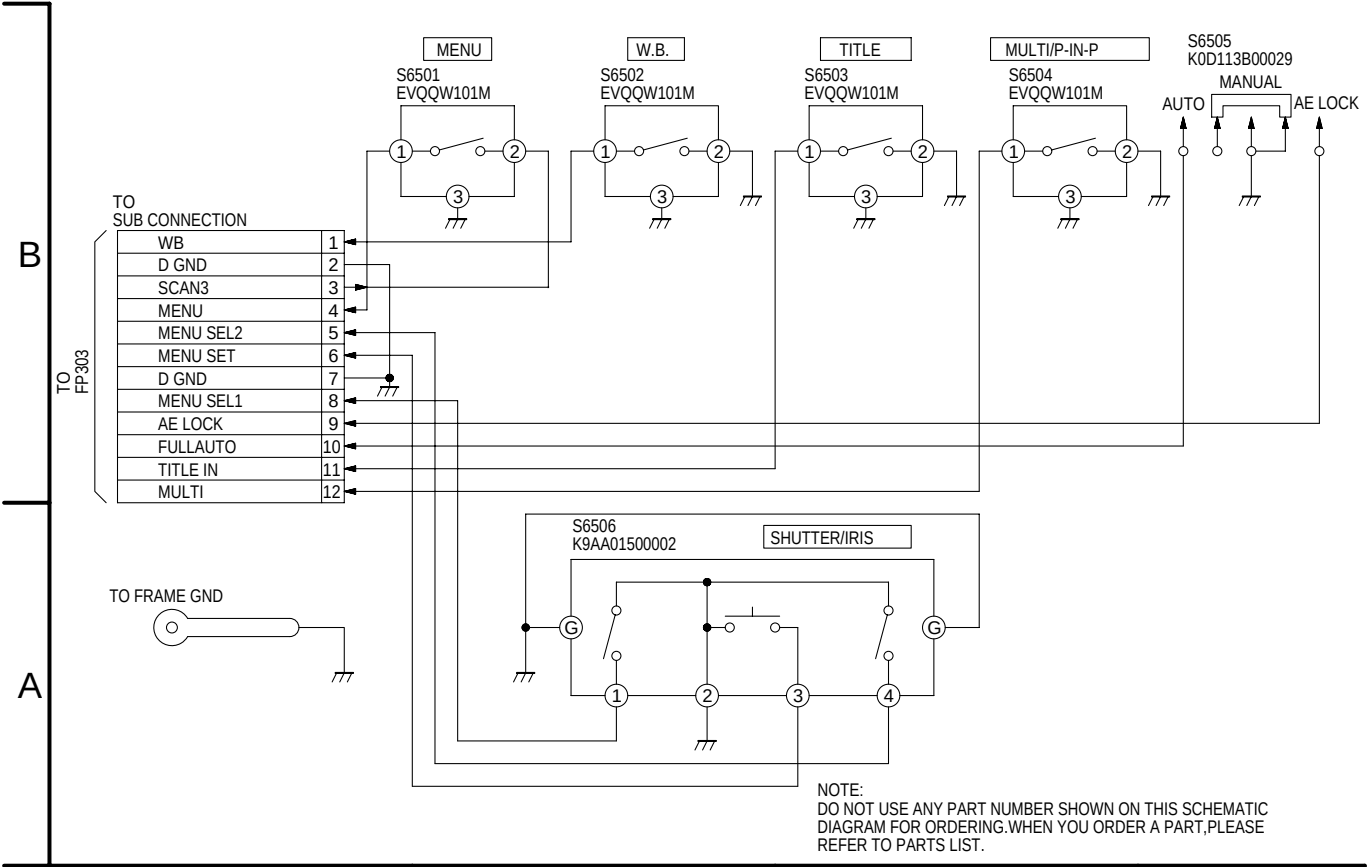
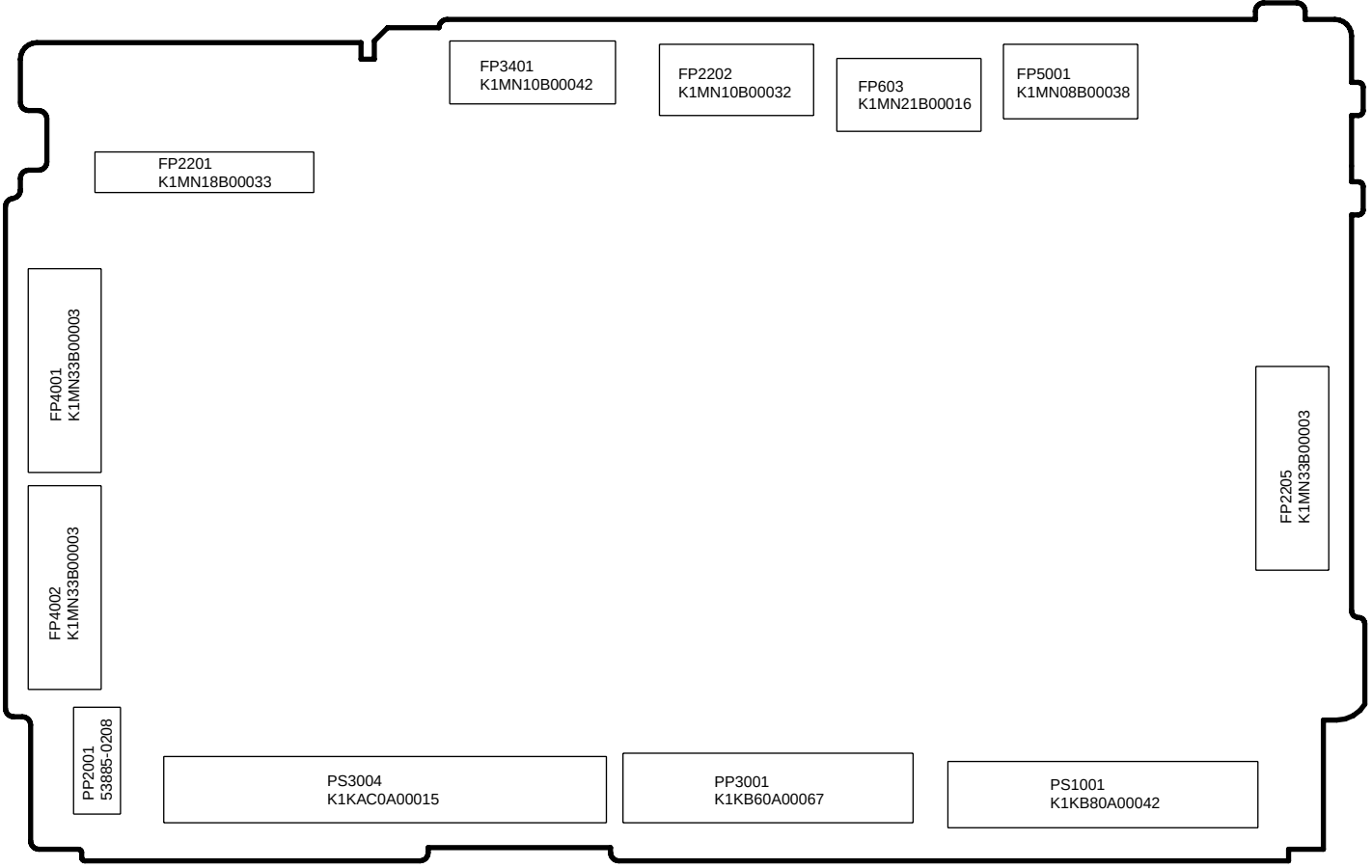
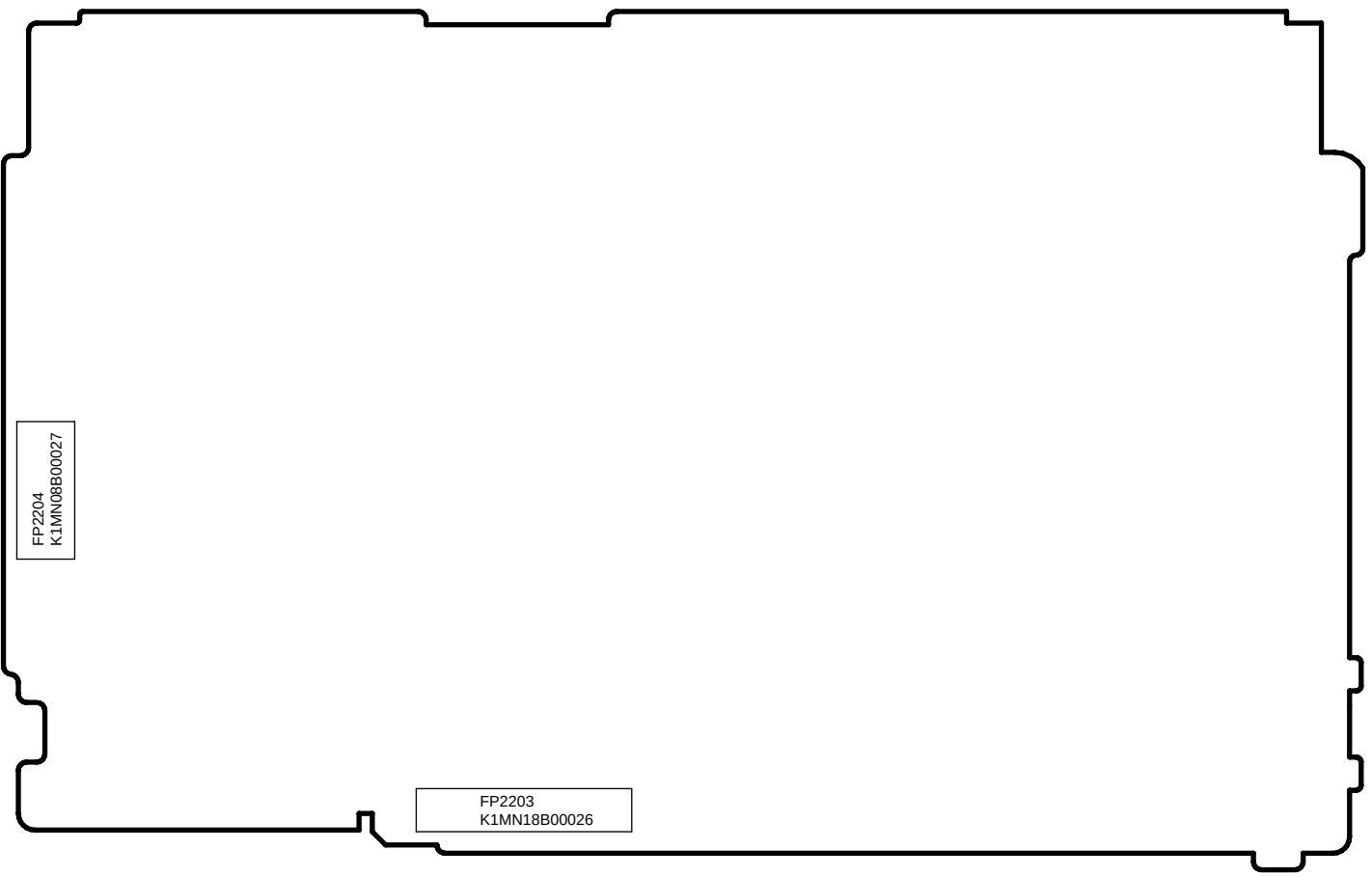
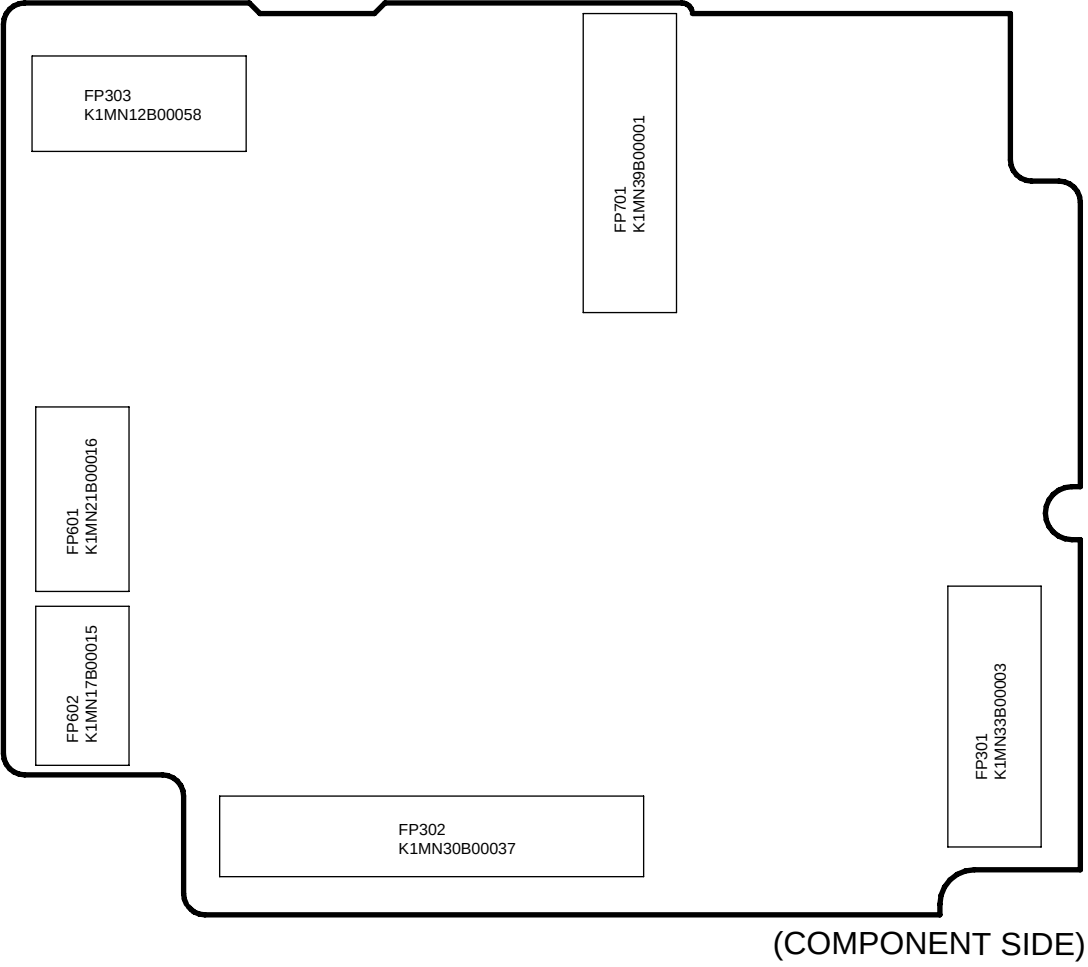

MENU
S6501
EVQQW101M
W.B.
S6502
EVQQW101M
TITLE
S6503
EVQQW101M
MULTI/P-IN-P
S6504
EVQQW101M
S6505
K0D113B00029
MANUAL
AUTO
AE LOCK
TO
SUB CONNECTION
WB 1
D GND 2
SCAN3 3
MENU 4
MENU SEL2 5
MENU SET 6
D GND 7
MENU SEL1 8
AE LOCK 9
FULLAUTO 10
TITLE IN 11
MULTI 12
TO
FP303
S6506
K9AA01500002
SHUTTER/IRIS
TO FRAME GND
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
B
A
1
2
3
4



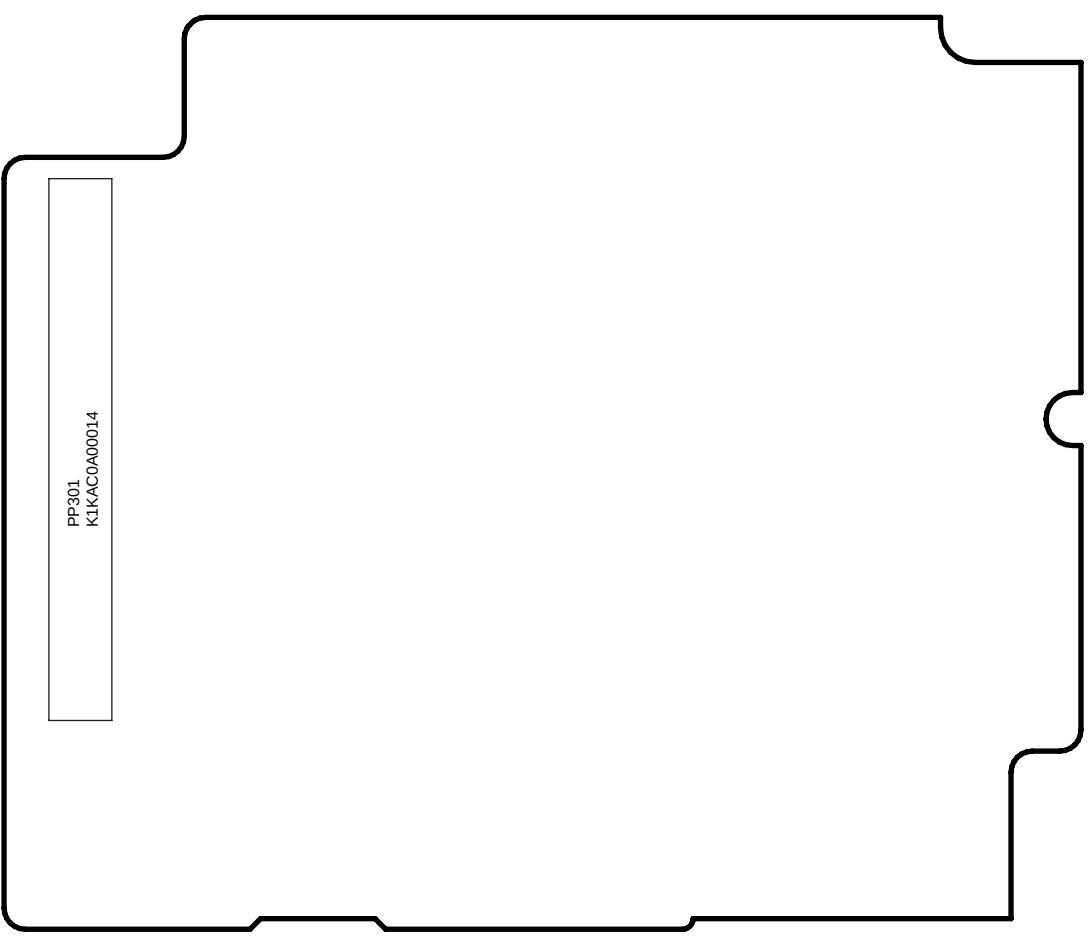
(COMPONENT SIDE)



(FOIL SIDE)



(COMPONENT SIDE)



(FOIL SIDE)

	INITIAL/LOGO	ABBREVIATIONS
A	A GND	Analogue GND
	A HASW	Audio Head Amp Switching Pulse
	A HSW	Audio Switching Pulse
	A MUTE	Audio Mute
	A ORP	Audio Overlap Pulse
	A. TR	Auto Tracking
	A0-8, 0-17	Memory Address
	A3V2	AD Converter Reference Voltage
	AB0-4	Address Bus
	AB0-4, AB12-15	Address Bus Line 0-4, 12-15
	ABSF	Focus Encoder Input
	ACI	Analogue Channel Cording IC
	AD	AD Converter
	AD	Auto Date, Analogue Digital Converter
	AD CLK	AD Clock
	AD REC	Audio Delayed REC
	AD0-6	Address
	AD0-6, ADR0-6	Address Data Line
	ADCLK	Analogue Digital Converter Clock
	ADCNT	Analogue Digital Control
	ADCS	Analogue Digital Chip Select
	A-DET	Audio Detect
	ADREC	Audio Delaied Rec
	ADUB	Audio Dubbing
	AE	Auto Expose
	AECNT	Auto Expose Control
	AEE(H)	Audio E-E (H)
	AEH	Audio Erase Head
	AEIRQ	Auto Expose Interrupt Request
	AF/MF	Auto Focus/Manual Focus
	AF DIS CS	AF DIS Chip Select
	A-FADE(L)	Audio Fade (L)
	AF-AMP	AF HALL Bias
	AFCS	Auto Focus Chip Select
	AFRP	Audio PLL Voltage Control
	AF-VN	Zoom Encoder V-Ref (–)
	AF-VP	Zoom Encoder VREF (+)
	AGC	Automatic Gain Control
	AGCCNT	Automatic Gain Control Control
	AGND	Analogue Ground/Audio Ground
	AGS	Anti Ground Shooting
	AH(P) / (R)	Audio Head (Play) / (Record)
	AHASW	Audio Head Amp Switch Pulse
	AHSW	Audio Head Switch Pulse
	AI, AO	Buffer Input, Output
	AIBCK	Bit Clock (to A/D Converter)
	AIDAT	Serial Data (to A/D Converter)
	AILRCK	L/R Clock (to A/D Converter)
	AIMCK	Master Clock (to A/D Converter)
	ALC CNT	Auto Level Control Control
	ALC MAIN	Auto Level Control Drive
	ALE	Address Latch Enable
	A-LOCK	Full Auto Switch
	A-MUT(H)	Audio Mute (H)
	ANLPTH	Analogue Loop Through High
	AORP	Audio Overlap Pulse
	APCNT	Aperture Control
	APS	Auto Power Save
	ART VH	Artifical Vertical Sync
	AT CNT	Automatic Tracking Gain Adjust
	ATF	Automatic Track Finding
	ATFCLK	41.85MHz Clock
	ATFG	Auto Track Gain
	ATL	Auto Lock Select
	ATN	Absolute Track Number
	ATR OFF(H)	Auto Tracking Off (H)
	ATV	Advanced TV
	AUDIO(N)	Audio (Normal)
	AUX	Auxiliary
	AVDD	Analogue VDD
	AVSS	Analogue Ground
	AWTB	Auto White Balance B-Y
	AWTR	Auto White Balance R-Y
B	BACK	Back-up
	BACK UP	Microcomputer Back-up
	BACK VDD	Back-up Power
	BATT	Battery
	BATT ALARM	Battery Alarm
	BATT REF	Reference Voltage for Battery
	BCB	B Carrier Balance
	BCBM(B-Y)	B-Y Carrier Balance
	BCBM(R-Y)	R-Y Carrier Balance
	BD0-7	REC/Play In/Out Buss
	BDCK	Standard Bus Data Clock (9MHz)
	BDEN	Standard Bus Data Enable
	BEND	Data Block End Request
	BF	Burst Flag Pulse
	BFA	Burst Flag Pulse for Encorder
	BFO/BFI	Burst Flug Input/Output
	BI, BO	Buffer Input, Output
	BL	Back Light
	BL ON	Back Light ON (L)
	BL4V	Back Light 4V
	BLC 0, 1	Back Light Y Control Out, In
	BLDI/O	Back Light Drive Input/Output
	BLK	Blanking Pulse
	BLKA	Blanking for Encorder
	BLKA	Blanking Pulse for Encorder
	BLKI/O	Blanking Pulse In/Out

	INITIAL/LOGO	ABBREVIATIONS
	BLKZ	Blanking Pulse for Zoom Encorder
	BM	Balance Modulator
	BQUIET	Bus Out Control Signal
	BUF IN/OUT	Buffer In/Out
	B-Y KB	B-Y Carrier Balance
	B-YO	B-Y Signal Out
C	C A In/Out	Pre-Aperture In/Out
	CAPSTP	Capstan Stop Flag
	C CNT	Colour Control
	C SYNC	Composite Sync Signal
	C/N	Carrier/Noise
	C0-7, C00-07	Chrominance Signal 0-7
	CAGAIN	Aperture Gain Control
	CAM	Camera
	CAM CLK	Camera Clock
	CAM RST	Camera Reset
	CAM SIOC	Camera Serial In/Out Contol
	CAM T	Camera Test
	CAM TL	Capstan Trque Limit
	CAP EC	Capstan Trque Control
	CAP P(H)	Capstan Power On (H)
	CAP R/F/S	Capstan Reverse (H)/Stop (M)/Forward (L)
	CAP SW	Capstan Power Control Switch
	CAPSTP H	Capstan Stop Flag (Stop High)
	CAPVM	Capstan Motor Current
	CAPVS	Capstan Motor Power Control Switch
	CAS	Compresion, Audio Process, Shuffling/Deshuffling
	CAS	Memory Address Strobe (Active Low)
	CASDOWN, DWN	Cassette Down (L)
	CB, CR	Chroma B, Chroma R
	CBLK	Composite Blanking Pulse
	CC	Channel Cording
	CCA	Curent Drive Control
	CCA	Current Control Amp
	CCD	Charge Coupled Devise
	CCW	Counterclockwise
	CD SP0-7	Digital Chroma
	CDS	Correlate Double Sampling Signal
	CDS1, 2	Sampling Pulse for CCD Output Signal
	CE	Chip Enable
	CE	Control Pulse Erase
	CEC	Capstan Error Code
	C-ERA(H)	Control Erase (H)
	CFEM	Chrominance Memory Signal
	CFM	Chrominance Field Memory
	CFM1-4	Chroma Field Memory Signal
	CG CLK	Character Generator Clock
	CG CLK DATA	Clock Generator Data
	CG DATA	Character Generator Data
	CGC	Chrominance Gain Control
	CGCS	Character Generator Chip Select
	CGO	Character Generator Serial Data
	CH	Charge

	INITIAL/LOGO	ABBREVIATIONS
	CH1	Channel 1 (Odd Field)
	CHR	Character
	CHR BACK	Character Back-up
	CHR MIX	Character Mix
	CI, CO	Buffer In/Out
	CI,CO	Buffer Input & Output
	CIF	Control Signal Forward Input
	CIF, CIR	Positive Control Pulse, Negative Control Pulse
	CIR	Control Signal Reverse Input
	CK	Clock
	CL/CLK	Clock
	CLASS	Classeffication Signal for Compress (DCT/VLC)
	CLASS 0.1	Class Control Signal Durring DCT/VLC
	CLK135	13.5MHz System Clock
	CLK18	18MHz System Clock
	CLK2	Clock 2 (824XFH: 12.875MHz)
	CLK246	24.576MHz Clock
	CLK27	27MHz System Clock
	CLK450	450KHz Clock
	CLKDCLK	Digital Clock
	CLK-PH	Clock Phase Control
	CLK-REF	Reference Clock
	CLP-RST-H	Clamp Reset High Signal
	CLX	TFT X-axis Transmission Clock
	CLX, CLX1-4	Shift Clock for X Direction (LCD Panel)
	CLY	Shift Clock for Y Direction (LCD Panel)
	CLY	TFT Y-axis Transmission Clock
	CLY FG	Cylinder FG Signal
	CMEMO0-3	Chroma Memory Output Signal 0-3
	CMIX	Character Mix
	CMO	Chrominance Memory Output
	COMPC	Position Detection Pulse
	COM RDY	Serial Enable Signal
	CMODE	Camera Mode
	CNCLK	Clock
	CNR	Chrominance Noise Reduction
	CNT, CONT	Control
	CO	Control Out
	CO0-7	Chrominance Output 0 to 7 (Digital)
	COM	Common
	COM RDY	Serial Transmission Enable
	COMB	Comb Filter
	COS EQ	Cosin Equalizer
	CP	Clamp Pulse
	CP ON(H)	Camera Power On(H)
	CP2, 20	Clamp Pulse
	CP2A, CP2O	Encoder Clamp Pulse
	CPN	Component Signal
	CPOB	Clamp Pulse for Optical Blanking
	CPS	Composite Signal
	CPV	Gate Scan Clock
	CR OUT	Pre Apature Out
	CR POW SW	Camera Remote Power On Switch
	CRA	Aperture Gain Control

	INITIAL/LOGO	ABBREVIATIONS
	CRA	Pre Apature Gain Control
	CRST	Camera Reset
	CS	Chip Select
	CS 0-7	Chrominance Signal Out 0-7
	CSEL	Clock Phase Select
	CSI 0-7	Chrominance Signal In 0-7
	CTSW	Crosstalk Switch
	CURR	Current
	CW	Clockwise
	CYL EC	Cylinder Motor Trque Control
	CYL PG	Cylinder Motor PG
	CYL VM	Cylinder Motor Current or Power
D	D CLK	Digital Clock
	D MODE	Digital Mode Switch Signal
	D01-03	Zoom 01-03
	DA UV SEL	D/A Convertor U/V Select
	DAC	Digital Analogue Converter
	DAG	Digital Analogue Ground
	DB0-7	Data 0-7
	DB0-7	Microprocessor Data
	DCC	DC Clamp Control
	DCCNT	DC Control
	DCI	Digital Channel Cording IC
	DCLR	Digital Clear
	DCP	Digital Clamp Pulse
	DCS-CLK, DA	CAS & DV I/F Serial Clock
	DC-STP1	DCS Serial Start
	DC-STP2	DCS Serial Stop
	DCT	Discrete Cosine Transform (Compression)
	DCX7	Serial Data
	DEDP 0-3	Playback Data
	DEDR 0-3	Rec Data
	DEMO	Demodulation
	DEMP	A/D Convertor Empahsis Control
	DEMP	De-Emphasis
	DFD 0-7	Encode Data In/Out Between Shaffling Memory
	DFD0-7	Encode Input/Output Signal for Shuffling Memory
	DIBDCK	Bit Clock
	DICLK	Digital Clock
	DIDAT	Serial Data
	DIDAT	Serial Data Durring Digital Audio In
	DIF	Digital Interface
	DILRCK	L/R Clock
	DILRCK	Serial Clock Durring Digital Audio In
	DIMCK	Master Clock
	DIMCK	Mater Clock Durring Digital Audio In
	DIO 1-8	Data In/Out
	DIOS	Data In/Out Select Control Signal
	DIOS	Select Signal for Digital In/Out
	DIS	Digital Image Stabilizer
	DIS R/B	Digital Image Stabilizer Read (H)/Busy (L)
	DIS R/B	DIS IC Rady/Busy
	DIS/KAND	Digital Image Stabilizer/Sensitivity
	DISCS	Dis Chip Select
	DISP	Display
	DL	Delay Line
	DOBCK	Audio A/D Convertor Bit Clock
	DOCTL	Data Output Control Signal
	DODAT	Serial Data (to D/A Converter)
	DOLRCK	Audio A/D Converter LR Clock
	DOLRCK	L/R Clock (to D/A Converter)
	DOMCK	Audio A/D Converter Master Clock
	DOMCK	Master Clock (to D/A Converter)
	DQ 1-16	Memory Data
	DRAM CAS	D-RAM Colum Address Strobe
	DRAM OE	D-RAM Out Enable
	DRAM RAS	D-RAM Read Address Strobe
	DREC	AV Delayed REC Start Pulse
	DRK	Dark (LPF Switch for Auto Focus)
	DS1, 2	Double Sampling Pulse
	DSF 0-7	Data In/Out for Shaffling Memory
	DSF 0-7	Input/Output Data to Shuffling Memory (18MHz)
	DSP	Digital Signal Processor
	DSP R/B	DSP IC Rady/Busy
	DSP-48K-H	DSP IC Clock Select
	DSTB	Data Stobe Signal
	DSV	Digital Sum Variation
	DV	Digital Video
	DVB	Digital Video Broadcast
	DVC	Digital Video Cassette
	DVDD	Digital VDD
	DVIO	Digital Video Input Output
	DVSS	Digital Ground
	DX	Shift Data for X Direction (for LCD)
	DY	Shift Data for Y Direction (for LCD)
	DY	TFT Y-axis Shift Data
	DZ	Digital Zoom
E	E Snap	Electric Snap Shot
	E ZM	Electric Zoom
	E2 CS or E2P CS	EEPROM Chip Select
	E2 R/B	EEPROM Rady/Busy
	E2P	EEPROM
	EARP	Earphone
	EC	Torque Control
	ECC	Error Correction Cording
	ECM	Electric Condencer Mic
	ECR	Reference Voltage for Capstan Torque
	EDA	Error Correction, DCI, ATF Servo
	EE CS	EEPROM Chip Select
	EE R/B	EEPROM Read (H)/Busy (L)
	EEPROM	Electric Erasable Programable Read Only Memory
	EIS	Electric Image Stabilizer (DIS)
	EMP	A/D Convertor Emphasis Control
	ENAB	Enable
	ENV	Enverope
	EOB	End of Block

	INITIAL/LOGO	ABBREVIATIONS
	EQ	Equalizer
	EVF	Electric View Finder
	EXT DC	External DC (AC Adaptor)
	EXT DC(H)	AC Adaptor DC (H)
	EXT NOREG	AC Adaptor 6V
	EXT S DATA	Serial Data for Edit
	EXT SCK	Serial Clock for Edit
	EZOOM	Electric Zoom
F		
	F ENC	Lens F-Value
	FACT MODE	Factry Mode (not used in the service)
	FB	Feed Back
	FC	Saw Tooth Signal In
	FCK	Clock
	FCO	Saw Tooth Signal Generator
	FENC	Focus Encoder
	FEND	Frame End Pulse
	FH2B	FH/2 (15.625KHz / 2=7.8125KHz)
	FIX OSD	Auto Tracking Off (H)
	FLICK	Flicker Output
	FM	Field Memory
	FM0-7	Field Memory 0-7
	FMCO0-3	Field Memory Chrominance Out 0-4
	FMDIR	Focus Motor Direction
	FMOEM	Field Memory Enable
	FMOEO	Field Memory Enable
	FMT1-4	Focus Motor Terminal 1-4
	FMY00-07	Field Memory Luminance Out 0-7
	FMYI0-07	Field Memory Luminance In 0-7
	FNO	F Value
	FPS	Frame Refference Signal
	FR	Capstan Reverse High
	FRP	Frame Refference Pulse
	FRPSO	Frame Start Pulse
G	G1, G2, G3	Gap 1, 2 and 3
	GCA	Gain Control AMP
	GCNT	Gain Control
	G-CNT	AGC Adjustment
	GCTRL	Gain Control
	GENE	Generator
	GF	FG AMP Terminal
	GSW	Ground for Switching Power
H	H/M/N	Hi-Fi / Mix / Normal
	H/N	Hi-Fi / Normal
	H1, 2	H. CCD Drive Pulse
	HAP	Horizontal Aperture
	HASW	Head AMP Switching Pulse
	HB	Hall Bias
	HBR SET	High Brightness Set
	HBRST	High Brightness Set
	HCLR	High Clear
	HCP	Shift Clock for Horizontal Drive

	INITIAL/LOGO	ABBREVIATIONS
	HD	Horizontal Drive Pulse
	HDTV	High Definition TV
	HEX	Hexadecimal
	HG	Hall Gain
	HID	Head Switching Pulse
	HLT	High Bright Signal
	HALL IN(+), (–)	Input Signal from Hall IC
	HP	Headphone
	HPF	High Pass Filter
	HSE	Modulated Data Output
	HSP	Timing Pulse for Shaffling Memory
	HSS	Horizontal Sync Signal
	HSW	Head Switching Pulse
	HS-WT	High Speed Zoom
	HSZ	High Speed Zoom
I	I/F	Interface
	I-2 C	Inter Integrated Circuit
	ID(H)	Wide Television (H)
	IMP	Inter Microprocessor Protocol
	INF	CCD Input Signal 1
	INF	Input Frame Signal
	INS	CCD Input SIgnal 2
	INTER	Interval Recording
	INV	Inverter
	IOU	R-Y Analogue Signal Output
	IOV	B-Y Analogue Signal Output
	IOY	Y Analogue Signal Output
	IR	Infrared Rays
	IRDET	Imfrared Ray Detection
	IREF	Current Adjustment Terminal
	IRIS/SH	Iris / Shutter Control
	IRQ	Interrupt Request
	ITI	Insert & Track Information
J	JPEG	Joint Photographic Image Cording Experts Group
K	KANDO	Digital Gain Up
	KB	Carrier Balance
	KEY IN	Key Scan
	KND	Digital Gain Up
	KNEE	Luminance Compensate
L	LCD	Liquid Crystal Display
	LCD P(L)	LCD Power On (L)
	LD	Load Pulse
	LDD	Liquid Direct Drive
	LEDCNT	LED Control
	LI-BATT	Lithium Battery
	LOAD	Loading
	LOAD F, R	Loading Direction (F: Forward / R: Reverse)
	LPF	Low Pass Filter
	LRMONO	Monoral Audio (L + R)
	LSB	Least Significant Bit

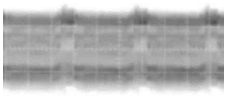
INITIAL/LOGO		ABBREVIATIONS
	LVL	LPF Switch for Auto Focus
M	M1-3	Motor Coil Terminal 1 to 3
	MA0-5	Microprocessor Address Data 0-5
	Mbps	Megahertz Bit Per Second
	MD	Modulation
	MD0-7	Microprocessor Data 0-7
	MDT0-7	Microprocessor Data 0-7
	ME (TAPE)	Metal Evaporated (Tape)
	MENB	Focus Motor Enable
	MFF	Manual Focus Far
	MFN	Manual Focus Near
	MHSYNC	Monitor Horizontal Sync Signal
	MIC	Memory In Cassette
	MIG	Meta In Gap
	MIX N.R.D.	Non Rec Data Mix
	MOD	Modulation
	MOUT	Mic Out
	MP (TAPE)	Metal Particle (Tape)
	MPEG	Moving Picture Image Cording Experts Group
	MPEG2	Moving Picture Image Cording Experts Group Phase 2
	MRST	Focus Motor Reset
	MSB	Most Signal Bit
	MVSYNC	Monitor Vertical Sync Signal
N	N/F	Near/Far Focus
	N/P	NTSC/PAL
	NB1-3	Base for NPN Transistor
	NC	No Connection
	NC1-3	Corrector of NPN Transistor
	NCLR	Power On Reset
	NCP1	Clamp Pulse
	NCP2+VDH	Clamp Pulse + Horizontal Drive Pulse
	NCP2+VDM	Clamp Pulse + Gate Pulse
	NDE	Non Liner De-Emphasis
	NE	Emitor of NPN Transistor
	NLE	Non Liner Emphasis
	NR	Noise Reduction
	NRD	Non Rec Data
	NRD BLK	Non Rec Data Blanking
	NRD CLK	No Rec Data Clock
	NRE	Read Enable Input (Low Active)
	NWE	Write Enable (Low Active)
O	OB	Optical Black
	OBCNT	Optical Black Control
	OBREF	Reference Voltage for Optical Black Control
	OE	Output Enable
	OFH	Horizontal Counted Down Clock Signal (Reference)
	OFS	Offset
	OP	Operation AMP Output
	OSD	ON Screen Display
	OVL	Overlap Pulse
	OZ	Optical Zoom

INITIAL/LOGO		ABBREVIATIONS
P	P SW	Power Switch
	PB1-3	PNP Base 1-3
	PBCTL	Play Back Control
	PBCTL	Pre-Branking Control
	PBH	Head Amp Switch
	PBLK	Pre-Blanking (Pulse)
	PC1-3	Corrector of PNP Transistor
	PCBM	Carrier Balance
	PCH	Phase Compensator (Hall AMP)
	PCI	Phase Compensator (Current)
	PCO	Phase Compensator Out
	PCS	Switching Power Control
	PCV	Phase Compensator (Voltage)
	PE	Emitter of PNP Transistor
	PED	Pedestal
	PEDECNT	Pedestal Control
	PENO	Alarm (L)
	PFP	Pilot Frame Position
	PGA, B	Power Ground A, B
	PGC	Pulse Generator Comparator
	PGI	Pulse Generator Input
	PGMM	Pulse Generator Monostable Multivibrator
	PGO	Output of Pulse Generator AMP
	PMODE	Select Signal for Normal / Wide Screen
	PON	Power On
	POR	Power On Reset
	POSCOM	Common Position
	PREAMP	Pre-AMP
	PREBLK	Pre-Blanking
	PT	Protect for V Voltage
	PWM	Pulse Width Modulation
	PWMB	Pulse Width Modulation Pulse
Q	Q2H	Source Output Select
R	R CTL P	Recorded Control Pulse (+)
	R CTL R	Recorded Control Pulse (–)
	R/B	Read/Busy
	R/L	Direction Control for Data Transmition
	RA	Recording AMP
	RA1	Rec AMP 1
	RAC AC	Rec Audio Current
	RAD	Read Address Data
	RAE	Read Address Enable
	RB	Read Busy
	R-B	R Bias
	RCB	R Carrier Balance
	RE	Read Enable
	RE(F), (S)	Rotary Erase Head Transformer
	REB	R Bias
	REC CC	Rec Current Control
	REC CCNT	Rec Current Control
	RECCTRL	Recording Control Pulse
	RECI	Rec Amp Switch

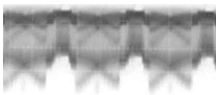
INITIAL/LOGO		ABBREVIATIONS
	RENCF	Lens Control (Forward)
	RENCR	Lens Control (Reverse)
	RERASE	Rotary Erase Head
	RGBIV1-2	1V Inverted Signal 1-2
	RGO R/G OFF	Offset Voltage for AWT R
	RSF	Capstan Direction (Reverse / Stop / Forward)
	RST	Reset
	RSTB	R Strobe
	RSTPWD	Reset Power Down Input
	RSTR	Reset Read
	RSTW	Reset Write
	RT	Saw Tooth Terminal
	RVCO	Resister for Oscillation
	RW	Read Write
	RWAE	Read Write Enable
S	S PHOT	Supply Photo Transistor
	S/H	Sampling Hold
	S/S	Start/Stop
	SBD	Serial Data
	SBI	Serial Data Input
	SBO	Serial Data Output
	SBT	Serial Clock
	SCAN0-5	Key Scan 0-5
	SCK	Serial Clock
	SCR	Search
	SCR, S.C.R.	Still Cue Review
	SEG.	Segment
	SET	White Balance Set
	SH/IRIS	Shutter/Iris Control
	SHIFT	Capasitor for Phase Shift
	SI	Serial Data Input
	SIC	Shift In Clock Input
	SIOC	Serial In/Out Control
	SMCE	Shaffling Memory Chip Enable
	SMRS	Shaffling Memory Read Strobe
	SMWE	Shaffling Memory Write Enable
	SMWS	Shaffling Memory Read Strobe
	SNAP	Snap Shot
	SNS LED	Sensor LED
	SO	Serial Data Output
	SPA	ATF Smapling Pulse
	SPEN	8 Bit Shift Register Enable
	SPK	Speaker
	SPO	Reset for Switcing Power
	SPST	8 Bit Shift Register Strobe
	SREELP	Supply Reel Pulse
	SRT	Start
	SSA	Start Sync block Area
	SSW	Select Signal for Low Pass Filter
	ST5V	Safety Tab 5V
	STAB	Safety Tab Switch
	STB	Stand by Signal
	STB	Strobe
	SWB	Switching Pre-Drive Pulse
	SYL EC	Cylinder Torque Control
	SYL FG	Cylinder FG
T	T PHOT	Take-up Photo Transistor
	TBC	Time Base Conntrol
	TFT	Thim Film Transistor
	TH	Thermostat for Battery
	TI	Test Mode Select
	TL	Torque Limit
	TM	Sub Code
	TMD	Sub Code Data
	TRE	Tracking Error Signal
	TREEL(P)	Take-up Reel (Pulse)
	TRFIX	Tracking Fix
	TRIWAVE	Tracking Wave
	TRP	Tracking Position
	TRP	Trap
	TSR	Head Switching Refference
	TST	Time Scale Transfer
U	U/V SEL	R-Y/B-Y Select Signal
	UNLOAD	Un-Loading
	UNRE	Microprocessor Read Enable
	UNWE	Microprocessor Write Enable
	UV	R-Y/B-Y
	UV SEL	R-Y/B-Y Select Signal
V	V1-V4	V. CCD Drive Pulse
	VB	VH Filter Switching
	VCE	Power Terminal
	VCNTL	Video Control
	VCO	Voltage Control Oscillator
	VCP	Shift Clock Output for Vertical Drive
	VCTLD	Video Control
	VCTRL	Voltage Charge Control
	VD	Vertical Drive Pulse
	VDDX	X Drive Power for Colour LCD
	VDDXY	XY Drive Power for Colour LCD
	VDDY	Y Drive Power for Colour LCD
	VDREC	Video Delayed Rec
	Vgg	Voltage for Gate IC
	Vgl	Gate off Voltage
	VID	Video Signal Out
	VIN	Video In
	VITC	Vertical Interval Time Code
	VITERBI	One of Signal Detection Method
	VL	Low Voltage
	VLC	Variable Length Cording
	VLOCKP	Artificial Sync Pulse
	VLP	Artificial Sync Pulse
	VM	Motor Voltage
	VMD	Velocity Mode Data
	VMD1-3	Electric Shutter Mode

INITIAL/LOGO		ABBREVIATIONS
	VMODE	NTSC/PAL Select Switch
	VMVH	VH Filter Switching
	VORP	Video Overlap
	VRB	Voltage Refference Bottom
	VRBS	Voltage Refference Bottom Output
	VREF1R3V	Refference Voltage 1.3V
	VREF3R3V	Refference Voltage 3.3V
	VREFH	Refference Voltage High Side
	VREFL	Refference Voltage Low Side
	VRI	Refference Voltage Input
	VRO	Refference Voltage Output
	VRT	Voltage Refference Top
	VRTS	Voltage Refference Top Output
	VS	Switching Comparator
	VSS	Vertical Sync Signal
	VSSX	X Driver Power for Colour LCD
	VSSXY	X-Y Driver Power for Colour LCD
W	W/N	Mode Select for Window Mode
	W/N	Wide / Normal
	WAD	Write Address Enable
	WAE	Write Address Enable
	WAERAE	Write Address Enable
	WARI	Interrupt
	WB	White Balance
	WE	Write Enable
	WEM	Memory Write Enable
	WHD	Wide Horizontal Drive Pulse
	WIDE A	Wide Zoom
	WSB	B AGC Control
	WSR	R AGC Control
	WTV	Wide TV
X	XP	FG Logic Reset
Y	Y FM0-7	Y Field Memory 0-7
	YCE	Cylinder Error Code
	YGC	Y Gain Control
	YMO 0-7	Y Field Memory 0-7
	YNCST	Noize Canceller
	YNR	Luminance Noise Reduction
	YSDP 0-7	Digital Y Out 0-7
Z	Z.ENC	Zoom Encoder
	Z.MIC	Zoom Mic
	ZENC	Zoom Encoder Output
	ZMDIR	Zoom Drive
	ZMEN	Zoom Enable
	ZMT	Zoom Motor Tele Side
	ZMT (+)/(–)	Zoom Motor (+)/(–)
	ZMTER	Zoom Motor Tele Side
	ZMW	Zoom Motor Wide Side
	ZSW	Zoom Switch

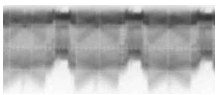
INITIAL/LOGO	ABBREVIATIONS



IC502-3 REC
0.3Vp-p (20usec./div.)
GLAY SCALE



IC503-3 REC
0.5Vp-p (20usec./div.)
GLAY SCALE



IC506-3 REC
0.5Vp-p (20usec./div.)
GLAY SCALE

IC504-4 REC
0.4Vp-p (20usec./div.)
GLAY SCALE

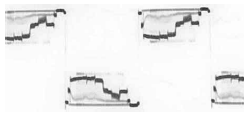
IC504-11 REC
0.4Vp-p (20usec./div.)
GLAY SCALE

IC504-44 REC
0.4Vp-p (20usec./div.)
GLAY SCALE

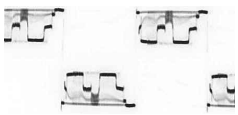
IC504-51 REC
0.4Vp-p (20usec./div.)
GLAY SCALE

IC504-66 REC
0.4Vp-p (20usec./div.)
GLAY SCALE

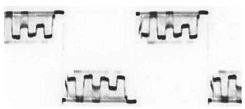
IC504-68 REC
0.4Vp-p (20usec./div.)
GLAY SCALE



FP801-2 REC/PLAY
8.0Vp-p (20usec./div.)
COLOUR BAR

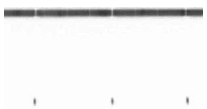


FP801-3 REC/PLAY
8.0Vp-p (20usec./div.)
COLOUR BAR



FP801-4 REC/PLAY
8.0Vp-p (20usec./div.)
COLOUR BAR

IC901-40 REC/PLAY
3.0Vp-p (20usec./div.)

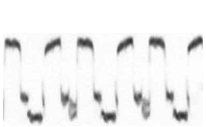


IC901-41 REC/PLAY
3.0Vp-p (5msec./div.)

IC902-9 REC/PLAY
10Vp-p (20usec./div.)
COLOUR BAR

IC902-11 REC/PLAY
10Vp-p (20 μ sec./div.)
COLOUR BAR

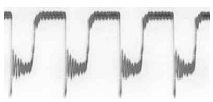
IC902-13 REC/PLAY
10Vp-p (20 μ sec./div.)
COLOUR BAR



IC902-30 REC/PLAY
0.9Vp-p (20 μ sec./div.)
COLOUR BAR

IC902-31 REC/PLAY
0.8Vp-p (20 μ sec./div.)
COLOUR BAR

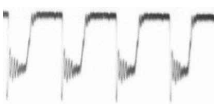
IC902-32 REC/PLAY
0.7Vp-p (20 μ sec./div.)
COLOUR BAR



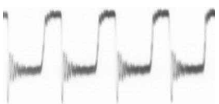
IC1001-4 STOP
1.2Vp-p (0.5 μ sec./div.)

IC1001-46 STOP
1.1Vp-p (0.5 μ sec./div.)
COLOUR BAR

IC1001-56 STOP
1.5Vp-p (0.5 μ sec./div.)

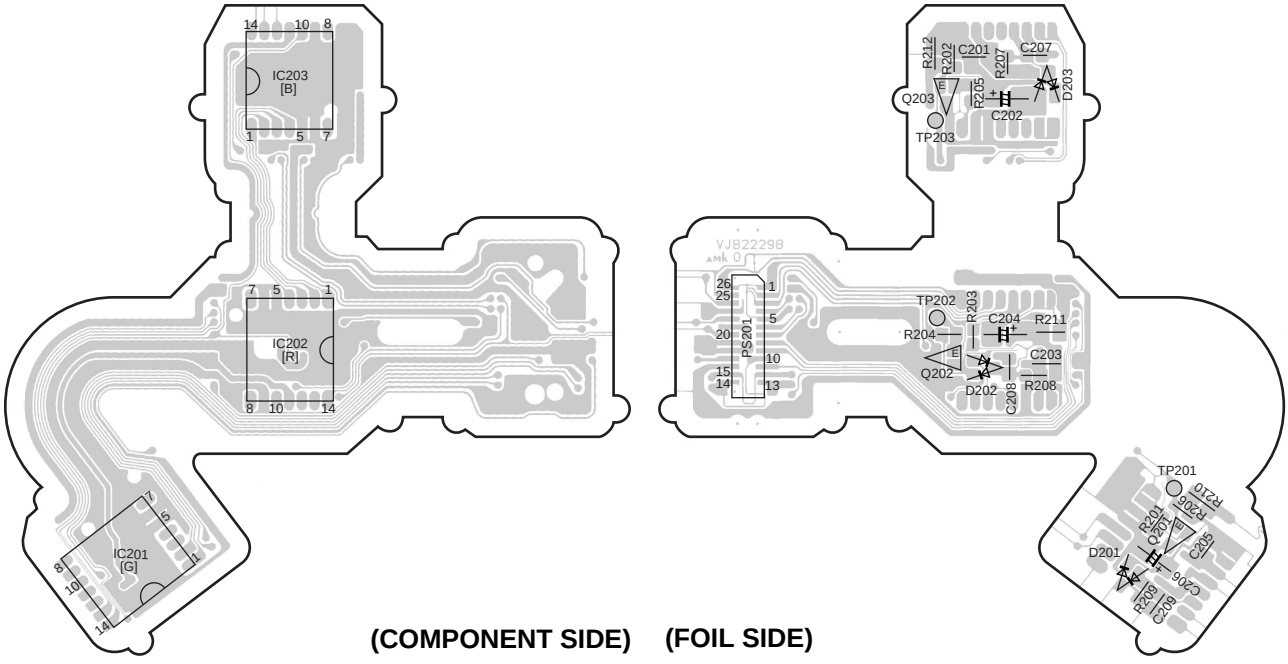


IC1001-57 STOP
1.1Vp-p (0.5 μ sec./div.)



IC1001-64 STOP
1.2Vp-p (0.5 μ sec./div.)

CCD FLEX. CARD C.B.A. : VEP22298B



:VIDEO SIGNAL

C207 0.1
R207 1M
D203 MA143
C208 0.1
R208 1M
D202 MA143
C209 0.1
R209 1M
D201 MA143
TP203
TP202
TP201

R202 1200
C201 0.1
C202 35V1
R204 1200
C203 0.1
C204 35V1
R206 1200
C205 0.1
C206 35V1

IC203 MN39242A
IC202 MN39242A
IC201 MN39242A

-7.2	1 V4	H2 14	1.3		
-7.2	2 V3	H1 13	1.9	-7.1	
-0.3	3 V2	R 12	6.9		
-0.3	4 V1 (B)	PT 11	-7.7	-0.3	V1 (G)
	5 NC	SUB 10	4.3		4.4 / 4.5
	6 GND	GND 9			
12.9	7 OUT	VDD 8	15.3		

IC202: V1 (R), SUB 4.4
IC201: V1 (G), SUB 4.5

13.6 / 12.9
R205 56
R203 56
R201 56
Q203 2SA1532 (BUFFER)
Q202 2SA1532 (BUFFER)
Q201 2SA1532 (BUFFER)
R212 180
R211 180
R210 180

TO CAMERA SUB PS201

26	V3 RB
25	V4 RB
24	SIG B
23	A GND(B)
22	SUB B
21	15V
20	SIG R
19	A GND(RG)
18	A GND(RG)
17	SIG G
16	-8V
15	V3 G
14	V4 G
13	V1 G
12	V2 G
11	R
10	SUB G
9	H2 G
8	H1 G
7	H2 B
6	H1 B
5	H2 R
4	H1 R
3	SUB R
2	V1 RB
1	V2 RB

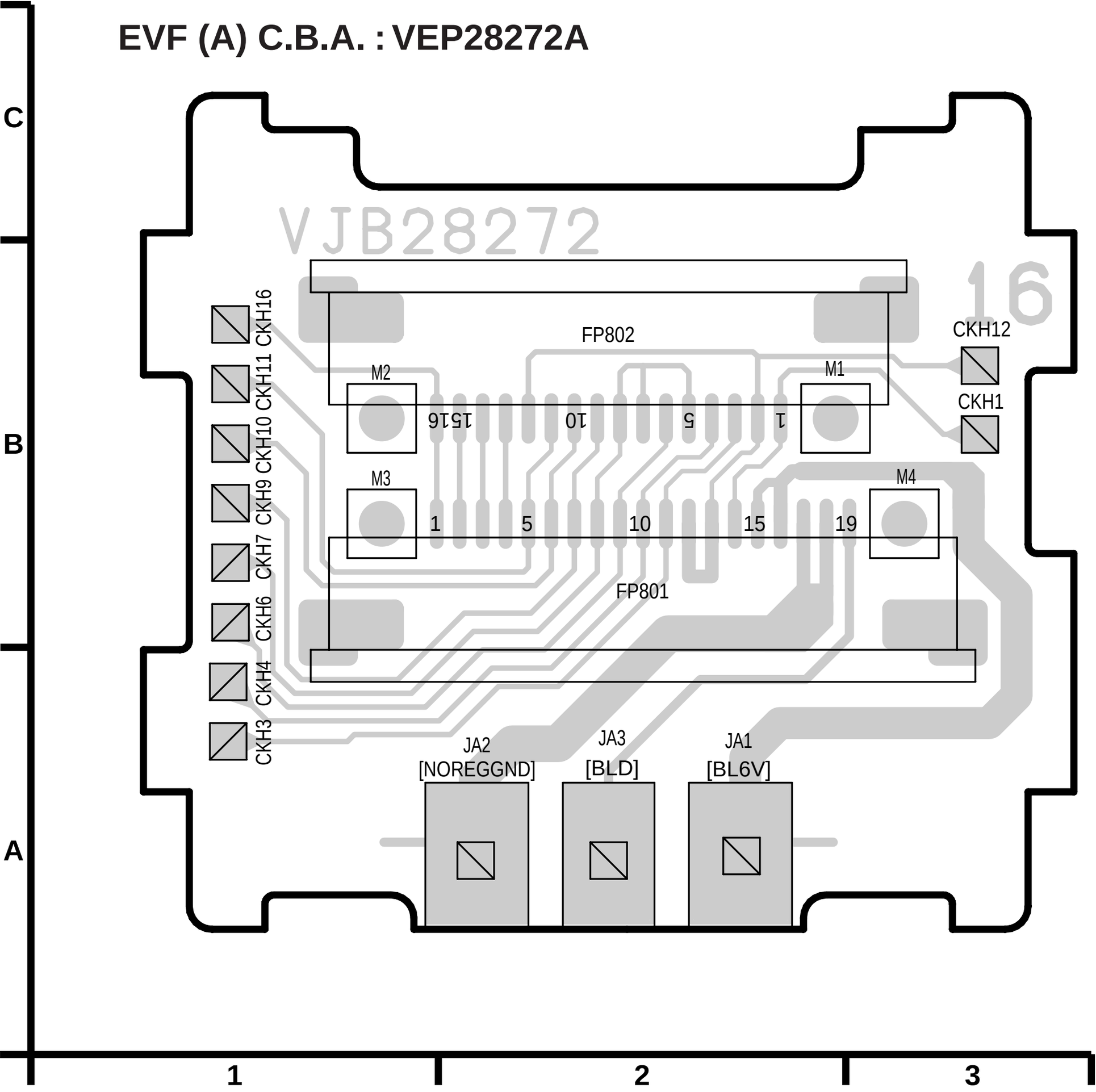
TO PP101

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

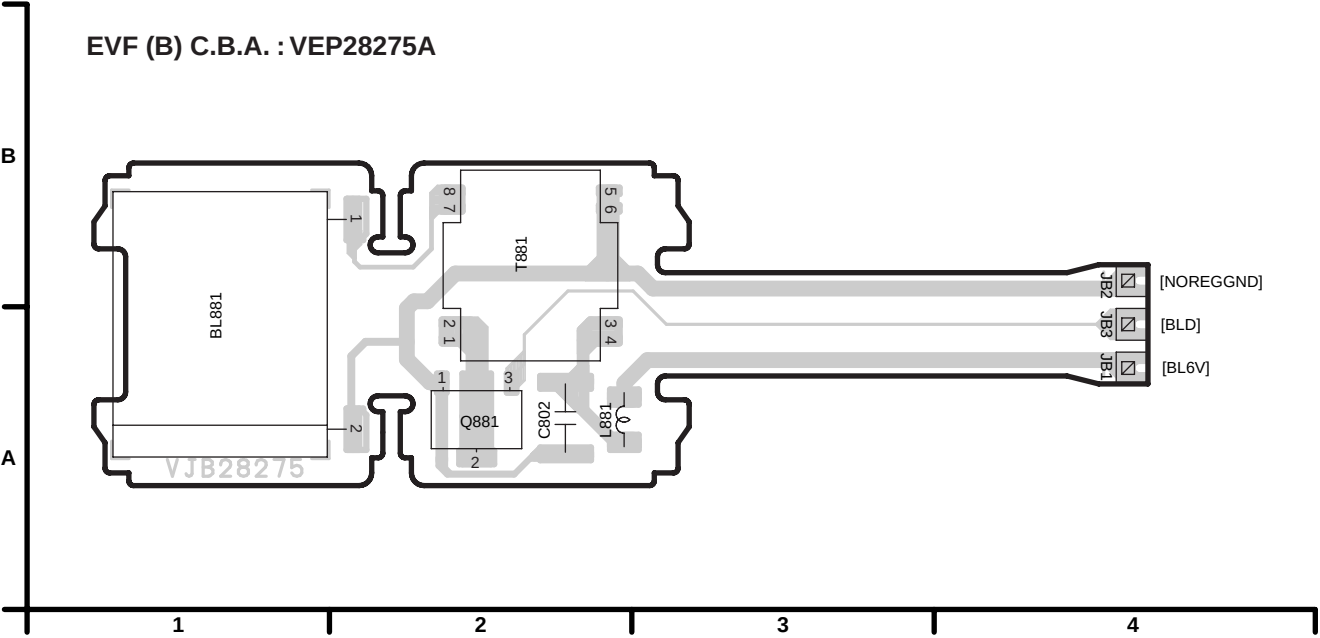
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS REC MODE.

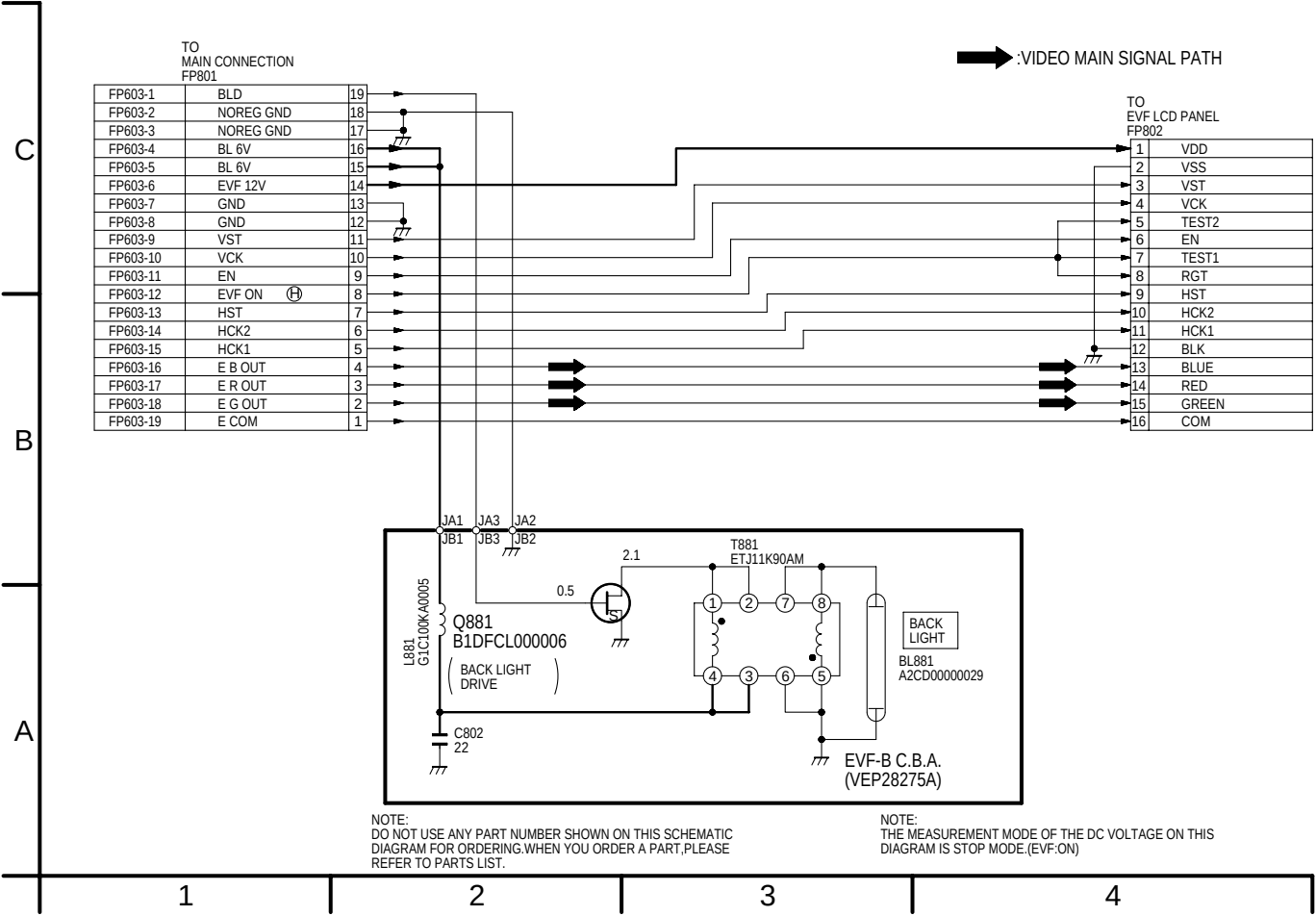
E D C B A
1 2 3 4 5 6 7 8

EVF (A) C.B.A. : VEP28272A



EVF (B) C.B.A. : VEP28275A



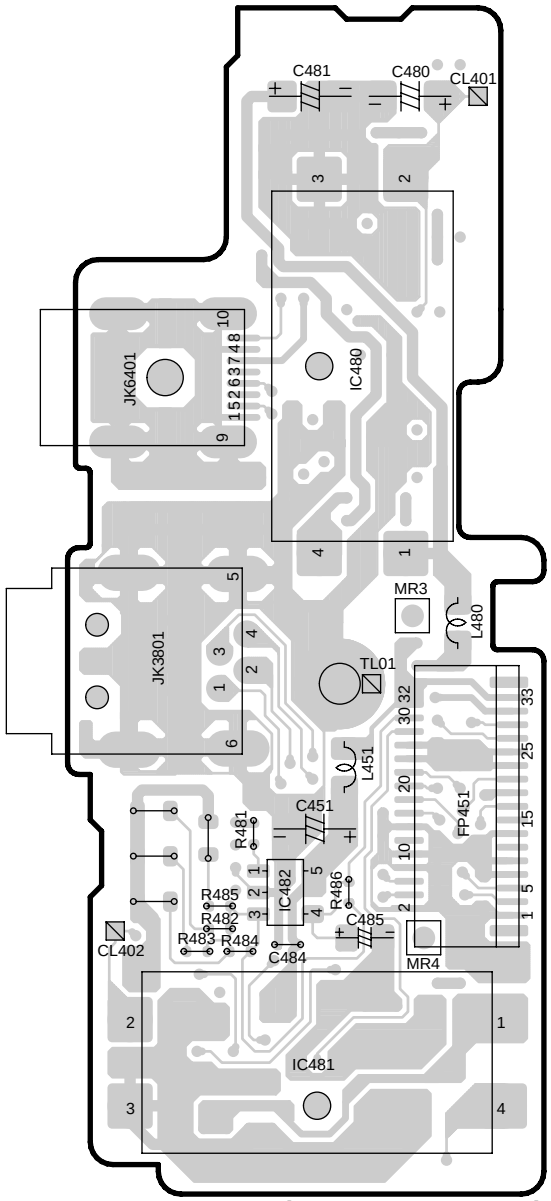


NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

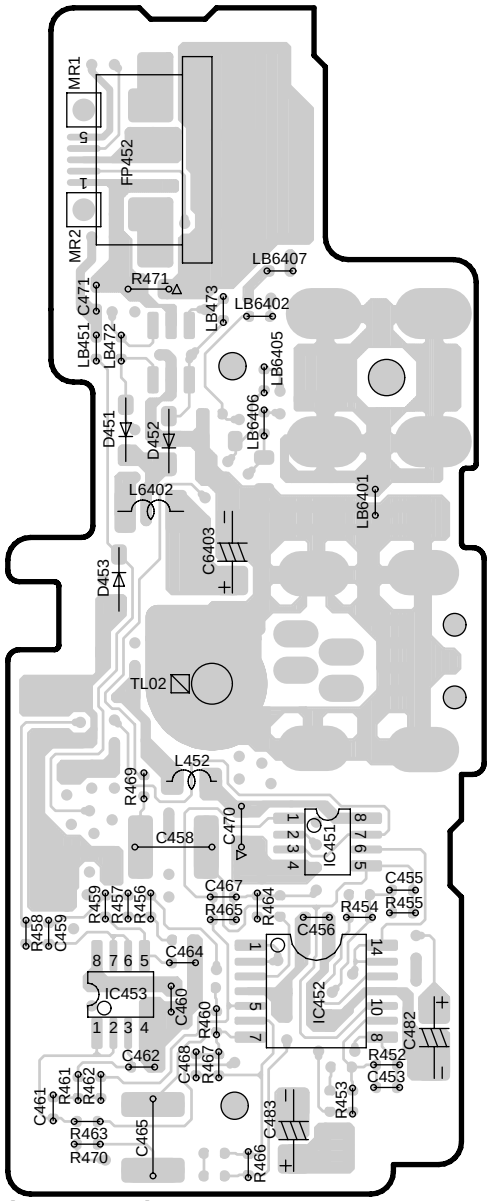
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.(EVF:ON)

Front-A C.B.A.											
Integrated Circuit		CL402	B-1	LB6401	C-4	C464	B-4	R453	A-4	R469	B-3
IC451	B-4	TL01	C-2	LB6402	D-4	C465	A-3	R454	B-4	R470	A-3
IC452	A-4	TL02	B-4	LB6405	D-4	C467	B-4	R455	B-4	R471	D-3
IC453	A-3	**Diode**		LB6406	C-4	C468	A-4	R456	B-3	R481	B-1
IC480	C-2	D451	C-3	LB6407	D-4	C470	B-4	R457	B-3	R482	B-1
IC481	A-2	D452	C-4	**Capacitor**		C471	D-3	R458	B-3	R483	B-1
IC482	B-2	D453	C-3	C451	B-2	C480	D-2	R459	B-3	R484	B-1
Connentor		**Coil**		C453	A-4	C481	D-2	R460	A-4	R485	B-1
FP451	B-2	L451	B-2	C455	B-4	C482	A-4	R461	A-3	R486	B-2
FP452	D-3	L452	B-4	C456	B-4	C483	A-4	R462	A-3		
Jack		L480	C-2	C458	B-4	C484	B-2	R463	A-3		
JK3801	C-1	L6402	C-3	C459	B-3	C485	B-2	R464	B-4		
JK6401	C-1	LB451	D-3	C460	A-4	C6403	C-4	R465	B-4		
Test Point		LB472	D-3	C461	A-3	**Resistor**		R466	A-4		
CL401	D-2	LB473	D-4	C462	A-3	R452	A-4	R467	A-4		

FRONT (A) C.B.A. : VEP27210A



(COMPONENT SIDE)



(FOIL SIDE)

NOTE:MULTILAYER C.B.A.

THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

:VIDEO MAIN SIGNAL PATH

IC480
L2ES00000004
(GYRO SENSOR)

IC481
L2ES00000003
(GYRO SENSOR)

IC482
C0ABAA000042

IC451
C0JBAS000065

IC453
C0ABAA000045

IC452
C0ABCA000042

TO
S JACK FLEX.CARD
FP452

1	GND
2	S Y
3	AV GND
4	S C
5	S PLUG (L)

TO
MAIN CONNECTION
FP451

33	REG A5V	FP4002-1
32	REG A5V	FP4002-2
31	REG D3V	FP4002-3
30	GYRO RANC	FP4002-4
29	X SIG	FP4002-5
28	Y SIG	FP4002-6
27	SENS SW	FP4002-7
26	D GND	FP4002-8
25	D GND	FP4002-9
24	AV GND	FP4002-10
23	AV GND	FP4002-11
22	S Y	FP4002-12
21	S PLUG (L)	FP4002-13
20	S C	FP4002-14
19	S 5V	FP4002-15
18	5P CLK	FP4002-16
17	5P DATA	FP4002-17
16	CR POWER	FP4002-18
15	———	FP4002-19
14	D GND	FP4002-20
13	D GND	FP4002-21
12	———	FP4002-22
11	———	FP4002-23
10	DV GND	FP4002-24
9	DV GND	FP4002-25
8	DV GND	FP4002-26
7	DV GND	FP4002-27
6	TPB(-)	FP4002-28
5	TPB(+)	FP4002-29
4	TPA(-)	FP4002-30
3	TPA(+)	FP4002-31
2	DV GND	FP4002-32
1	DV GND	FP4002-33

DV TERMINAL
JK3801
K2NC89Z00002

EDIT (E) (MINI)
JK6401
K2HZ108B0003

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS REC MODE.

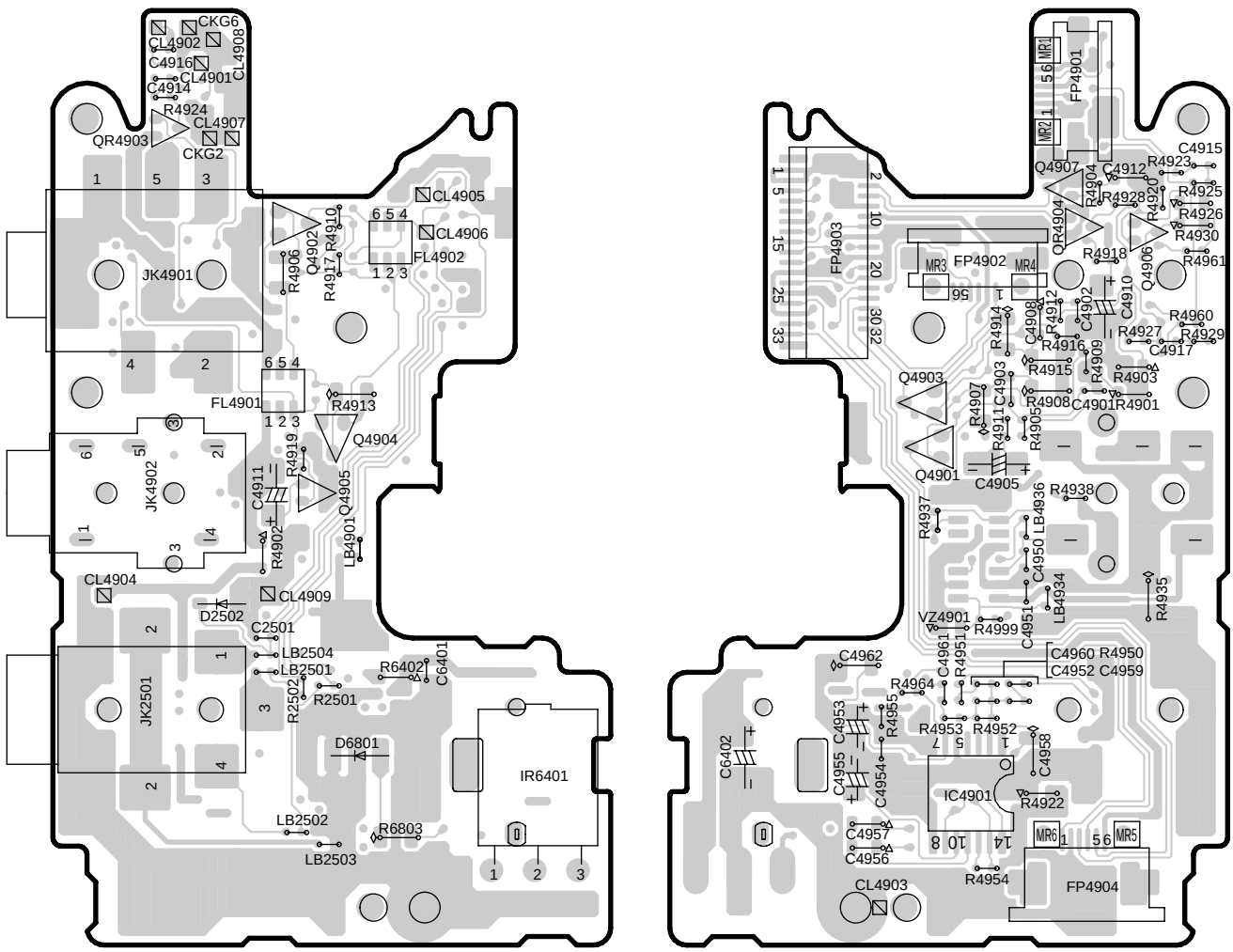
Front-B C.B.A.

Integrated Circuit		Transistor		Transistor & Resistor		Connector		Jack	
IC4901	A-4	Q4901	C-4	QR4903	D-1	FP4901	D-4	JK2501	B-1
		Q4902	C-2	QR4904	C-4	FP4902	C-4	JK4901	C-1
		Q4903	C-4			FP4903	C-4	JK4902	B-1
		Q4904	C-2			FP4904	A-4		
		Q4905	B-2						
		Q4906	C-4						
		Q4907	D-4						

IR Receiver		Test Point		Filter		Diode		Coil	
IR6401	A-3	CL4901	D-1	FL4901	C-2	D2502	B-1	LB2501	B-2
		CL4902	D-1	FL4902	C-2	D6801	A-2	LB2502	A-2
		CL4903	A-4					LB2503	A-2
		CL4904	B-1						
		CL4905	C-2						
		CL4906	C-2						
		CL4907	D-1						
		CL4908	D-1						
		CL4909	B-2						

LB2504	B-2	C4952	B-4	R4907	C-4	R4930	C-4		
LB4901	B-2	C4953	B-4	R4908	C-4	R4935	B-4		
LB4934	B-4	C4954	A-4	R4909	C-4	R4937	B-4		
LB4936	B-4	C4955	A-4	R4910	C-2	R4938	B-4		
Absorber		C4956	A-4	R4911	C-4	R4950	B-4		
VZ4901	B-4	C4957	A-4	R4912	C-4	R4951	B-4		
Capacitor		C4958	A-4	R4913	C-2	R4952	B-4		
C2501	B-2	C4959	B-4	R4914	C-4	R4953	B-4		
C4901	C-4	C4960	B-4	R4915	C-4	R4954	A-4		
C4902	C-4	C4961	B-4	R4916	C-4	R4955	B-4		
C4903	C-4	C4962	B-4	R4917	C-2	R4960	C-4		
C4905	C-4	C6401	B-2	R4918	C-4	R4961	C-4		
C4908	C-4	C6402	A-3	R4919	B-2	R4964	B-4		
C4910	C-4	**Resistor**		R4920	C-4	R4999	B-4		
C4911	B-2	R2501	B-2	R4922	A-4	R6402	B-2		
C4912	D-4	R2502	B-2	R4923	D-4	R6803	A-2		
C4914	D-1	R4901	C-4	R4924	D-1				
C4915	D-4	R4902	B-1	R4925	D-4				
C4916	D-1	R4903	C-4	R4926	C-4				
C4917	C-4	R4904	D-4	R4927	C-4				
C4950	B-4	R4905	C-4	R4928	C-4				
C4951	B-4	R4906	C-2	R4929	C-4				

FRONT (B) C.B.A. : VEP04751B



(COMPONENT SIDE) (FOIL SIDE)

NOTE:MULTILAYER C.B.A.

THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

:VIDEO MAIN SIGNAL PATH
:AUDIO MAIN SIGNAL PATH

IC4901
C0ZBZ0000269
(AMP)
B+ B- BO EVRBO VREF IN VREF GND
A+ A- AO EVRAO EVRA EVRB VCC
Bch OPAMP
Bch VCA
Bch EVR AMP
Bch EVR CONTROL
Bch EVR
VREF AMP
Ach EVR
Ach OPAMP
Ach EVR CONTROL
Ach EVR AMP
Ach VCA

C4955 6V10
C4958 1
R4954 33K
C4961 0.047
R4953 10K
C4952 390P
R4952 82K
C4959 0.01
C4960 0.01
C4956 0.1
C4957 0.1
R4950 33K
R4951 33K
R4960 56K
R4961 56K
C4962 4.7
C4953 6V10
C4954 0.01
R4955 0
R4964 10K

TO MIC UNIT FP4901
REG A5V
REG A5V
MIC OUT(R)
MIC GND
MIC OUT(L)
MIC GND
TO FP4802
CL4901 CL4902

C4914 0.1
R4924 2200
C4916 0.1
QR4903 B1GBCFLL0022 (WIND SW Ⓗ :ON)
R4927 100K
R4928 2200
QR4904 B1GBCFLL0022 (WIND SW Ⓗ :ON)
C4917 0.022
R4929 22K
R4923 100K
C4915 0.022
R4925 22K
R4926 100K
R4930 100K

MIC JACK
JK4901 K2HC105E0003

Q4901 B1ABCF000087 (AMP)
R4905 470
C4903 1
R4901 6800
C4901 2200P
R4906 10K
R4907 150K
R4908 56K
R4909 1K
Q4902 B1ADCF000052 (AMP)
R4910 5600
R4911 150
C4905 6V22

Q4903 B1ABCF000087 (AMP)
R4912 470
C4908 1
R4903 6800
C4902 2200P
R4913 10K
R4914 150K
R4915 56K
R4916 1K
Q4904 B1ADCF000052 (AMP)
R4917 5600
R4918 150
C4910 6V22

FL4901 J0MAB0000085
FL4902 J0MAB0000085

Q4905 B1ABCF000077 (SWITCHING)
R4919 4700
C4911 6V22
Q4906 B1ABCF000077 (AMP)
R4904 100K
C4912 1
R4920 10K
Q4907 B1ABCF000077 (INV.)

CL4907
CL4905
CL4906
CL4908
CL4909
CL4903
CL4904
R4935 0
R4922 0
R4902 0
TO FRAME GND
TO MIC SHIELD

AV IN/OUT PHONES
JK4902 K2HC106B0005
LB4934 J0JBC0000024
R4999 100
VZ4901 D4ED12710002
LB4936 J0JBC0000024
R4938 0
C4951 4700P
C4950 4700P
R4937 0
LB4901 J0JBC0000042

IR6401
PNA4611M05VT
(REMOTE CONTROL RECEIVER)
OUT GND VCC
R6402 47
C6401 0.1
C6402 6V22

D.STILL PICTURE
JK2501 K2HC104E0002
LB2501 J0JBC0000024
LB2502 J0JBC0000024
LB2503 J0JBC0000024
LB2504 J0JBC0000024
R2501 100
R2502 100
C2501 0.1
D2502 B0BC6R000002
R6803 180
D6801 B3AAB0000050
TALLY

TO AWT SENSOR FP4904
6 3V
5 AWT OUT
4 FLICK
3 AWT L2
2 D GND
1 AF/MF
TO FP441

TO MF SENSOR FLEX. CARD FP4902
6
5
4 MF L1
3 MF LED
2 MF VCC
1 MF L2

TO MAIN CONNECTION FP4903

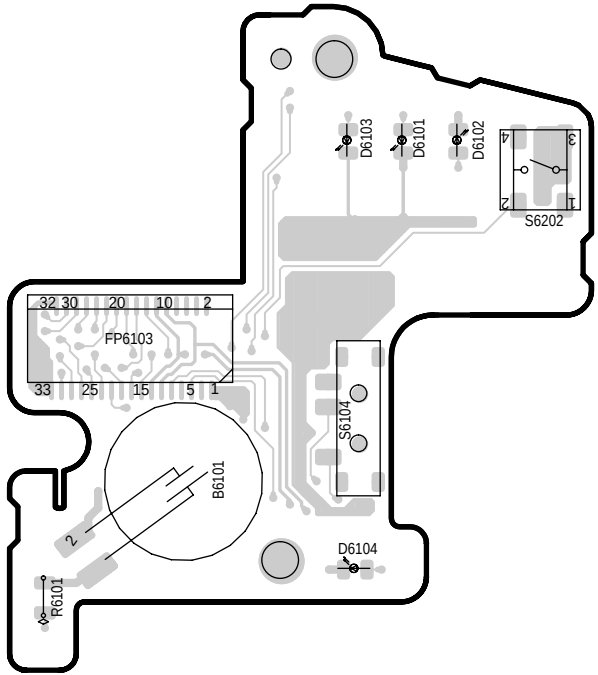
33	AF/MF	FP4001-1
32	MF L2	FP4001-2
31	MF L1	FP4001-3
30	MF LED	FP4001-4
29	D GND	FP4001-5
28	AWT L2	FP4001-6
27	FLICK	FP4001-7
26	AWT OUT	FP4001-8
25	3V	FP4001-9
24	V/HP(R)	FP4001-10
23	L/HP(L)	FP4001-11
22	AV GND	FP4001-12
21	AV GND	FP4001-13
20	R	FP4001-14
19	PLUG IN Ⓛ	FP4001-15
18	D GND	FP4001-16
17	T OUT	FP4001-17
16	CN Ⓗ	FP4001-18
15	R IN	FP4001-19
14	REMO GND	FP4001-20
13	REMOTE CTL	FP4001-21
12	TALLY	FP4001-22
11	Z MIC1	FP4001-23
10	S 5V	FP4001-24
9		FP4001-25
8	MIC 5V	FP4001-26
7	MIC(L)	FP4001-27
6	WIND SW	FP4001-28
5	MIC(R)	FP4001-29
4	EXT MIC Ⓛ	FP4001-30
3	MIC GND	FP4001-31
2	MIC GND	FP4001-32
1	MIC GND	FP4001-33

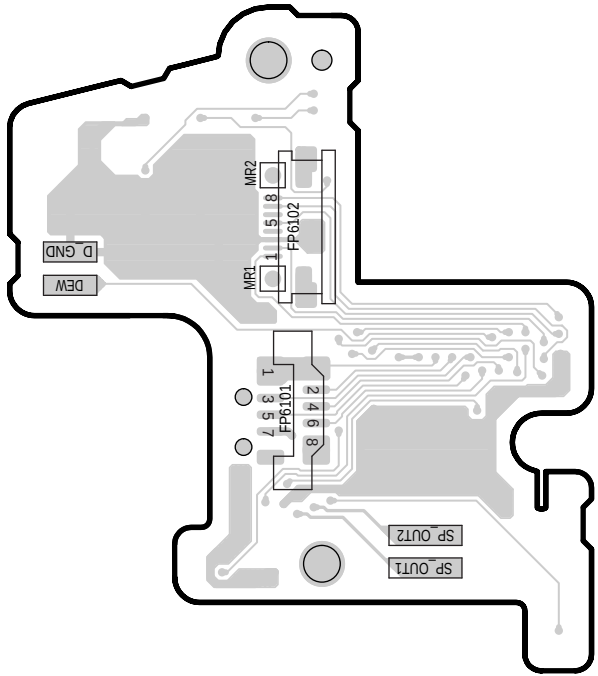
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS PLAYBACK MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS( )ON THIS DIAGRAM IS RECORD MODE.
(SP MODE)

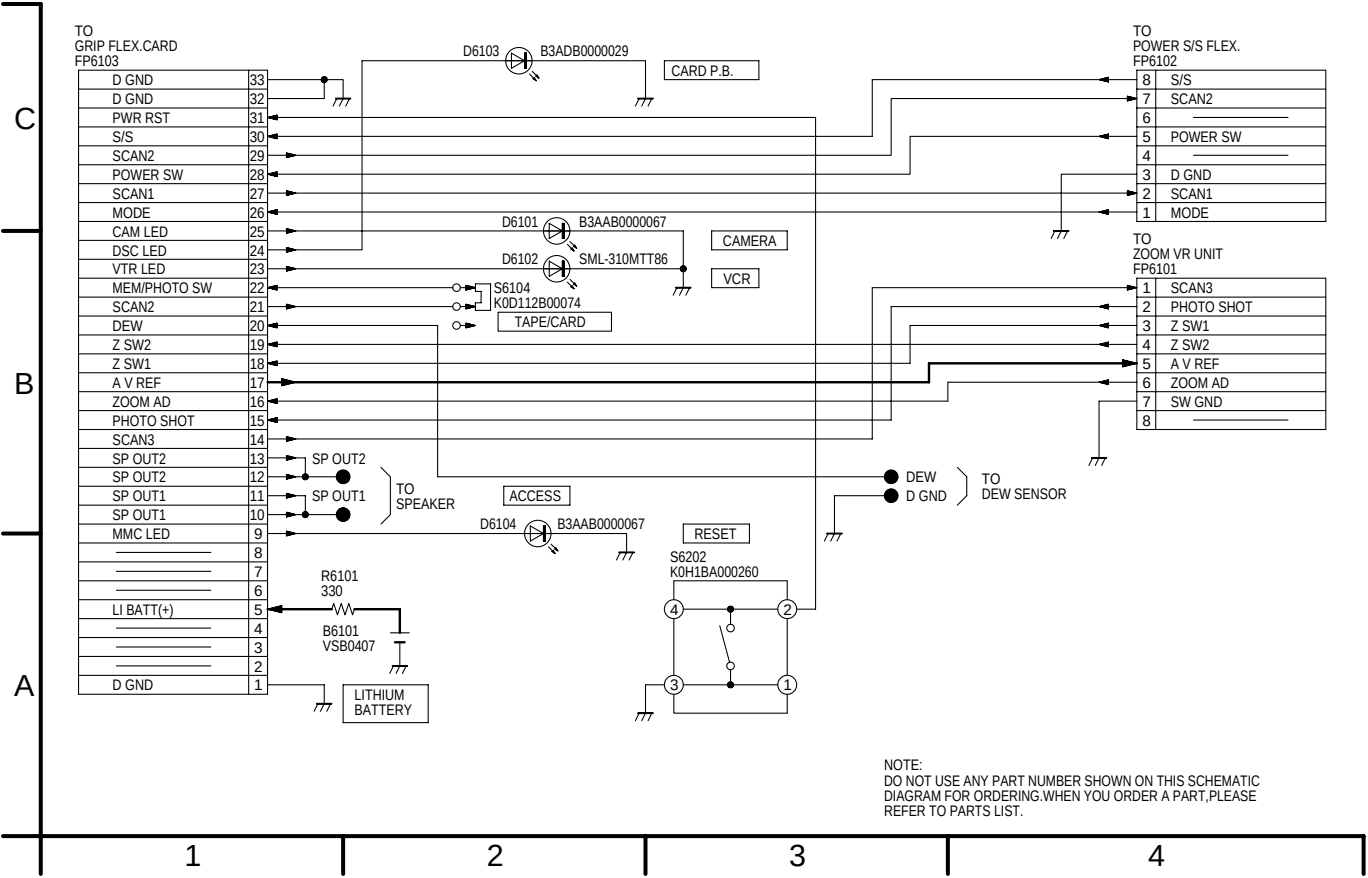
F E D C B A
1 2 3 4 5 6 7 8 9 10

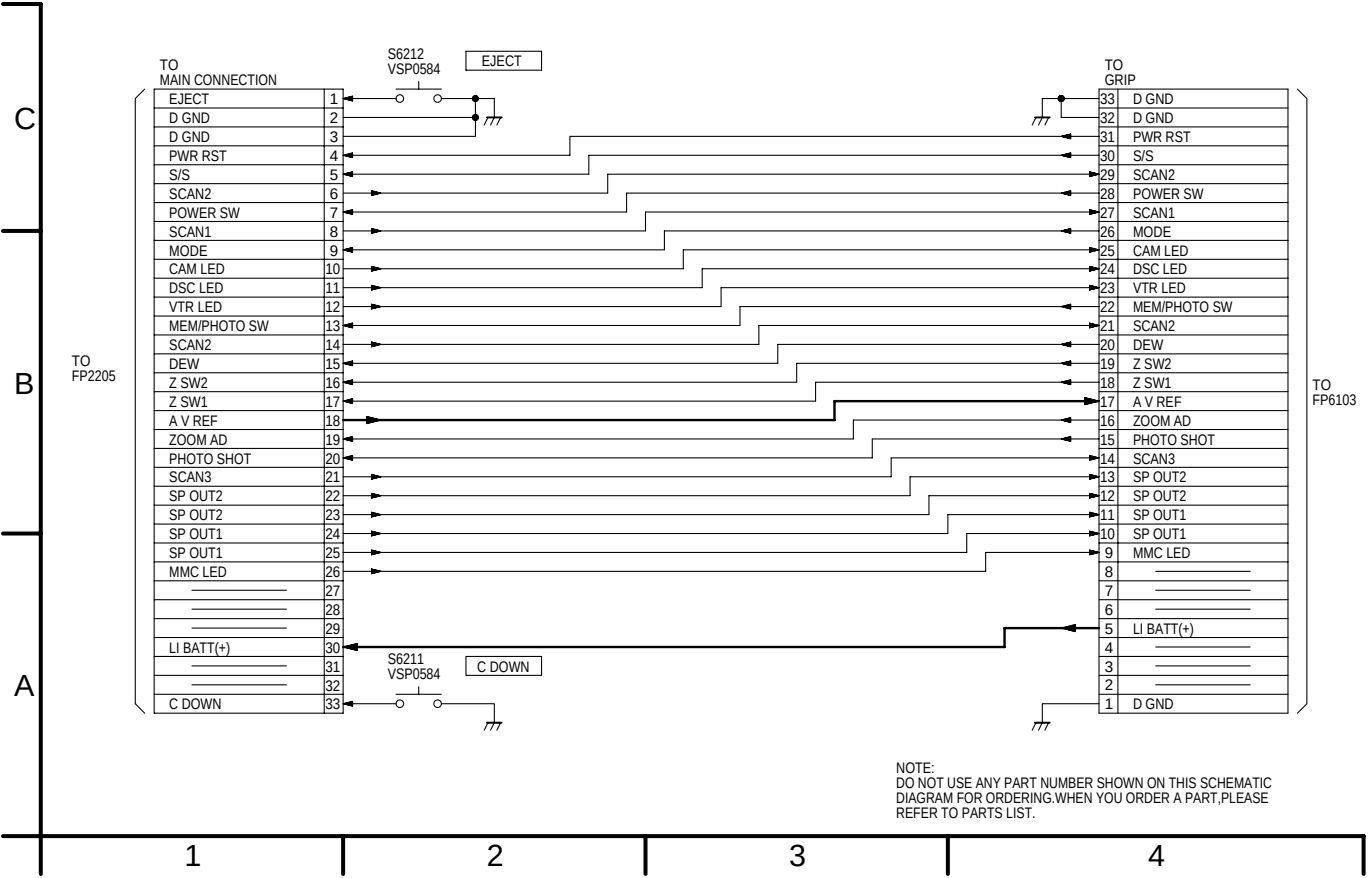
GRIP C.B.A. : VEP06D62A



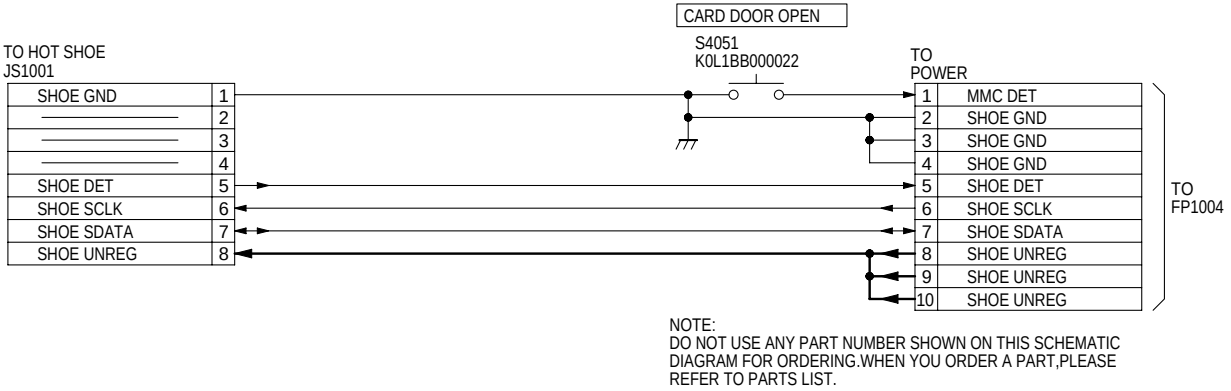


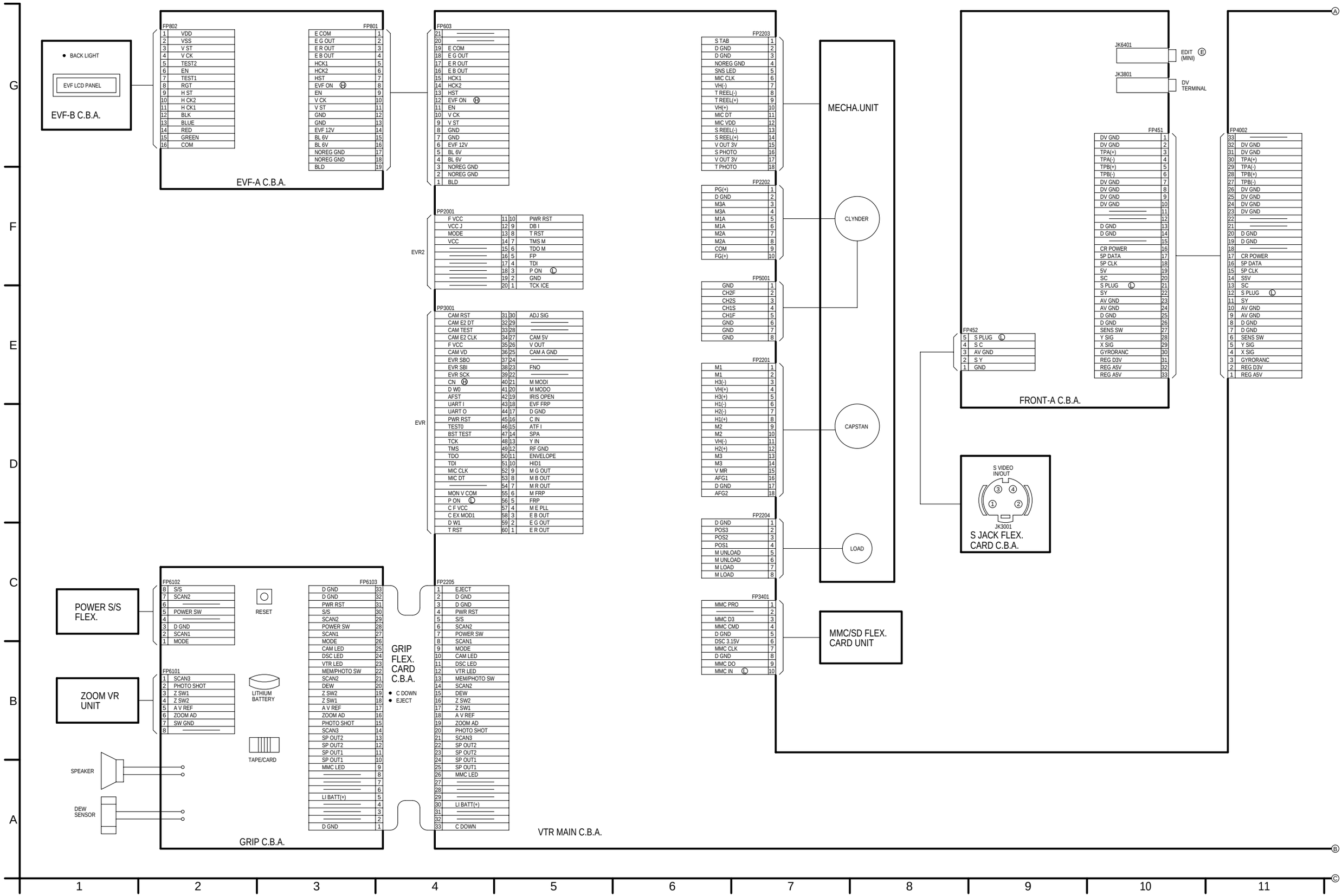
(COMPONENT SIDE) (FOIL SIDE)

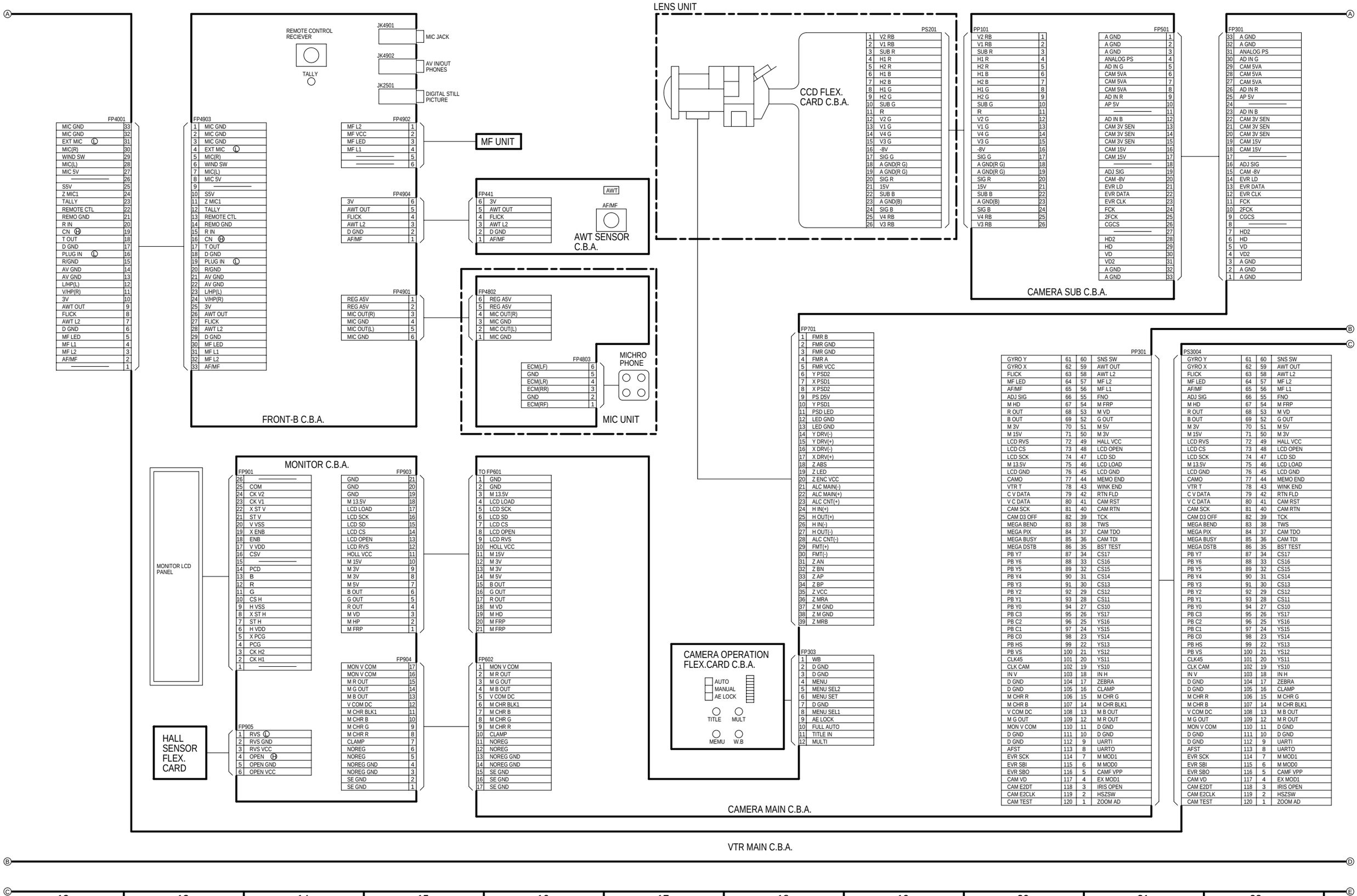

TO
GRIP FLEX.CARD
FP6103
D GND 33
D GND 32
PWR RST 31
S/S 30
SCAN2 29
POWER SW 28
SCAN1 27
MODE 26
CAM LED 25
DSC LED 24
VTR LED 23
MEM/PHOTO SW 22
SCAN2 21
DEW 20
Z SW2 19
Z SW1 18
A V REF 17
ZOOM AD 16
PHOTO SHOT 15
SCAN3 14
SP OUT2 13
SP OUT2 12
SP OUT1 11
SP OUT1 10
MMC LED 9
8
7
6
LI BATT(+) 5
4
3
2
D GND 1
D6103 B3ADB0000029
CARD P.B.
D6101 B3AAB0000067
CAMERA
D6102 SML-310MTT86
VCR
S6104
K0D112B00074
TAPE/CARD
SP OUT2
SP OUT1
TO
SPEAKER
ACCESS
D6104 B3AAB0000067
RESET
S6202
K0H1BA000260
R6101
330
B6101
VSB0407
LITHIUM
BATTERY
TO
POWER S/S FLEX.
FP6102
8 S/S
7 SCAN2
6
5 POWER SW
4
3 D GND
2 SCAN1
1 MODE
TO
ZOOM VR UNIT
FP6101
1 SCAN3
2 PHOTO SHOT
3 Z SW1
4 Z SW2
5 A V REF
6 ZOOM AD
7 SW GND
8
DEW
D GND
TO
DEW SENSOR
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
C
B
A
1
2
3
4



NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.


CARD DOOR OPEN
S4051
K0L1BB000022
TO HOT SHOE
JS1001
SHOE GND 1
2
3
4
SHOE DET 5
SHOE SCLK 6
SHOE SDATA 7
SHOE UNREG 8
TO
POWER
1 MMC DET
2 SHOE GND
3 SHOE GND
4 SHOE GND
5 SHOE DET
6 SHOE SCLK
7 SHOE SDATA
8 SHOE UNREG
9 SHOE UNREG
10 SHOE UNREG
TO
FP1004
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
A
1
2
3
4


BACK LIGHT
EVF LCD PANEL
EVF-B C.B.A.
FP802
1 VDD
2 VSS
3 V ST
4 V CK
5 TEST2
6 EN
7 TEST1
8 RGT
9 H ST
10 H CK2
11 H CK1
12 BLK
13 BLUE
14 RED
15 GREEN
16 COM
FP801
E COM 1
E G OUT 2
E R OUT 3
E B OUT 4
HCK1 5
HCK2 6
HST 7
EVF ON (H) 8
EN 9
V CK 10
V ST 11
GND 12
GND 13
EVF 12V 14
BL 6V 15
BL 6V 16
NOREG GND 17
NOREG GND 18
BLD 19
EVF-A C.B.A.
FP603
21
20
19 E COM
18 E G OUT
17 E R OUT
16 E B OUT
15 HCK1
14 HCK2
13 HST
12 EVF ON (H)
11 EN
10 V CK
9 V ST
8 GND
7 GND
6 EVF 12V
5 BL 6V
4 BL 6V
3 NOREG GND
2 NOREG GND
1 BLD
PP2001
EVR2
F VCC 11 10 PWR RST
VCC J 12 9 DB I
MODE 13 8 T RST
VCC 14 7 TMS M
15 6 TDO M
16 5 FP
17 4 TDI
18 3 P ON (L)
19 2 GND
20 1 TCK ICE
PP3001
EVR
CAM RST 31 30 ADJ SIG
CAM E2 DT 32 29
CAM TEST 33 28
CAM E2 CLK 34 27 CAM 5V
F VCC 35 26 V OUT
CAM VD 36 25 CAM A GND
EVR SBO 37 24
EVR SBI 38 23 FNO
EVR SCK 39 22
CN (H) 40 21 M MODI
D W0 41 20 M MODO
AFST 42 19 IRIS OPEN
UART I 43 18 EVF FRP
UART O 44 17 D GND
PWR RST 45 16 C IN
TEST0 46 15 ATF I
BST TEST 47 14 SPA
TCK 48 13 Y IN
TMS 49 12 RF GND
TDO 50 11 ENVELOPE
TDI 51 10 HID1
MIC CLK 52 9 M G OUT
MIC DT 53 8 M B OUT
54 7 M R OUT
MON V COM 55 6 M FRP
P ON (L) 56 5 FRP
C F VCC 57 4 M E PLL
C EX MOD1 58 3 E B OUT
D W1 59 2 E G OUT
T RST 60 1 E R OUT
FP2203
S TAB 1
D GND 2
D GND 3
NOREG GND 4
SNS LED 5
MIC CLK 6
VH(-) 7
T REEL(-) 8
T REEL(+) 9
VH(+) 10
MIC DT 11
MIC VDD 12
S REEL(-) 13
S REEL(+) 14
V OUT 3V 15
S PHOTO 16
V OUT 3V 17
T PHOTO 18
FP2202
PG(+) 1
D GND 2
M3A 3
M3A 4
M1A 5
M1A 6
M2A 7
M2A 8
COM 9
FG(+) 10
FP5001
GND 1
CH2F 2
CH2S 3
CH1S 4
CH1F 5
GND 6
GND 7
GND 8
FP2201
M1 1
M1 2
H3(-) 3
VH(+) 4
H3(+) 5
H1(-) 6
H2(-) 7
H1(+) 8
M2 9
M2 10
VH(-) 11
H2(+) 12
M3 13
M3 14
V MR 15
AFG1 16
D GND 17
AFG2 18
FP2204
D GND 1
POS3 2
POS2 3
POS1 4
M UNLOAD 5
M UNLOAD 6
M LOAD 7
M LOAD 8
FP3401
MMC PRO 1
2
MMC D3 3
MMC CMD 4
D GND 5
DSC 3.15V 6
MMC CLK 7
D GND 8
MMC DO 9
MMC IN (L) 10
MECHA.UNIT
CLYNDER
CAPSTAN
LOAD
MMC/SD FLEX.
CARD UNIT
VTR MAIN C.B.A.
JK6401
EDIT (MINI) (E)
JK3801
DV TERMINAL
FP451
DV GND 1
DV GND 2
TPA(+) 3
TPA(-) 4
TPB(+) 5
TPB(-) 6
DV GND 7
DV GND 8
DV GND 9
DV GND 10
11
12
D GND 13
D GND 14
15
CR POWER 16
5P DATA 17
5P CLK 18
5V 19
SC 20
S PLUG (L) 21
SY 22
AV GND 23
AV GND 24
D GND 25
D GND 26
SENS SW 27
Y SIG 28
X SIG 29
GYRORANC 30
REG D3V 31
REG A5V 32
REG A5V 33
FP452
5 S PLUG (L)
4 S C
3 AV GND
2 S Y
1 GND
FRONT-A C.B.A.
FP4002
33
32 DV GND
31 DV GND
30 TPA(+)
29 TPA(-)
28 TPB(+)
27 TPB(-)
26 DV GND
25 DV GND
24 DV GND
23 DV GND
22
21
20 D GND
19 D GND
18
17 CR POWER
16 5P DATA
15 5P CLK
14 S5V
13 SC
12 S PLUG (L)
11 SY
10 AV GND
9 AV GND
8 D GND
7 D GND
6 SENS SW
5 Y SIG
4 X SIG
3 GYRORANC
2 REG D3V
1 REG A5V
S VIDEO IN/OUT
JK3001
S JACK FLEX.
CARD C.B.A.
POWER S/S FLEX.
FP6102
8 S/S
7 SCAN2
6
5 POWER SW
4
3 D GND
2 SCAN1
1 MODE
RESET
ZOOM VR UNIT
FP6101
1 SCAN3
2 PHOTO SHOT
3 Z SW1
4 Z SW2
5 A V REF
6 ZOOM AD
7 SW GND
8
LITHIUM BATTERY
TAPE/CARD
SPEAKER
DEW SENSOR
FP6103
D GND 33
D GND 32
PWR RST 31
S/S 30
SCAN2 29
POWER SW 28
SCAN1 27
MODE 26
CAM LED 25
DSC LED 24
VTR LED 23
MEM/PHOTO SW 22
SCAN2 21
DEW 20
Z SW2 19
Z SW1 18
A V REF 17
ZOOM AD 16
PHOTO SHOT 15
SCAN3 14
SP OUT2 13
SP OUT2 12
SP OUT1 11
SP OUT1 10
MMC LED 9
8
7
6
LI BATT(+) 5
4
3
2
D GND 1
GRIP FLEX. CARD C.B.A.
C DOWN
EJECT
GRIP C.B.A.
FP2205
1 EJECT
2 D GND
3 D GND
4 PWR RST
5 S/S
6 SCAN2
7 POWER SW
8 SCAN1
9 MODE
10 CAM LED
11 DSC LED
12 VTR LED
13 MEM/PHOTO SW
14 SCAN2
15 DEW
16 Z SW2
17 Z SW1
18 A V REF
19 ZOOM AD
20 PHOTO SHOT
21 SCAN3
22 SP OUT2
23 SP OUT2
24 SP OUT1
25 SP OUT1
26 MMC LED
27
28
29
30 LI BATT(+)
31
32
33 C DOWN
A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
10
11


LENS UNIT
CCD FLEX. CARD C.B.A.
PS201
1 V2 RB
2 V1 RB
3 SUB R
4 H1 R
5 H2 R
6 H1 B
7 H2 B
8 H1 G
9 H2 G
10 SUB G
11 R
12 V2 G
13 V1 G
14 V4 G
15 V3 G
16 -8V
17 SIG G
18 A GND(R G)
19 A GND(R G)
20 SIG R
21 15V
22 SUB B
23 A GND(B)
24 SIG B
25 V4 RB
26 V3 RB
PP101
V2 RB 1
V1 RB 2
SUB R 3
H1 R 4
H2 R 5
H1 B 6
H2 B 7
H1 G 8
H2 G 9
SUB G 10
R 11
V2 G 12
V1 G 13
V4 G 14
V3 G 15
-8V 16
SIG G 17
A GND(R G) 18
A GND(R G) 19
SIG R 20
15V 21
SUB B 22
A GND(B) 23
SIG B 24
V4 RB 25
V3 RB 26
FP501
A GND 1
A GND 2
A GND 3
ANALOG PS 4
AD IN G 5
CAM 5VA 6
CAM 5VA 7
CAM 5VA 8
AD IN R 9
AP 5V 10
11
AD IN B 12
CAM 3V SEN 13
CAM 3V SEN 14
CAM 3V SEN 15
CAM 15V 16
CAM 15V 17
18
ADJ SIG 19
CAM -8V 20
EVR LD 21
EVR DATA 22
EVR CLK 23
FCK 24
2FCK 25
CGCS 26
27
HD2 28
HD 29
VD 30
VD2 31
A GND 32
A GND 33
CAMERA SUB C.B.A.
FP301
33 A GND
32 A GND
31 ANALOG PS
30 AD IN G
29 CAM 5VA
28 CAM 5VA
27 CAM 5VA
26 AD IN R
25 AP 5V
24
23 AD IN B
22 CAM 3V SEN
21 CAM 3V SEN
20 CAM 3V SEN
19 CAM 15V
18 CAM 15V
17
16 ADJ SIG
15 CAM -8V
14 EVR LD
13 EVR DATA
12 EVR CLK
11 FCK
10 2FCK
9 CGCS
8
7 HD2
6 HD
5 VD
4 VD2
3 A GND
2 A GND
1 A GND
FP4001
MIC GND 33
MIC GND 32
EXT MIC (L) 31
MIC(R) 30
WIND SW 29
MIC(L) 28
MIC 5V 27
26
S5V 25
Z MIC1 24
TALLY 23
REMOTE CTL 22
REMO GND 21
R IN 20
CN (H) 19
T OUT 18
D GND 17
PLUG IN (L) 16
R/GND 15
AV GND 14
AV GND 13
L/HP(L) 12
V/HP(R) 11
3V 10
AWT OUT 9
FLICK 8
AWT L2 7
D GND 6
MF LED 5
MF L1 4
MF L2 3
AF/MF 2
1
FRONT-B C.B.A.
REMOTE CONTROL RECIEVER
TALLY
JK4901
MIC JACK
JK4902
AV IN/OUT PHONES
JK2501
DIGITAL STILL PICTURE
FP4903
1 MIC GND
2 MIC GND
3 MIC GND
4 EXT MIC (L)
5 MIC(R)
6 WIND SW
7 MIC(L)
8 MIC 5V
9
10 S5V
11 Z MIC1
12 TALLY
13 REMOTE CTL
14 REMO GND
15 R IN
16 CN (H)
17 T OUT
18 D GND
19 PLUG IN (L)
20 R/GND
21 AV GND
22 AV GND
23 L/HP(L)
24 V/HP(R)
25 3V
26 AWT OUT
27 FLICK
28 AWT L2
29 D GND
30 MF LED
31 MF L1
32 MF L2
33 AF/MF
FP4902
MF L2 1
MF VCC 2
MF LED 3
MF L1 4
5
6
MF UNIT
FP4904
3V 6
AWT OUT 5
FLICK 4
AWT L2 3
D GND 2
AF/MF 1
FP441
6 3V
5 AWT OUT
4 FLICK
3 AWT L2
2 D GND
1 AF/MF
AWT
AF/MF
AWT SENSOR C.B.A.
FP4901
REG A5V 1
REG A5V 2
MIC OUT(R) 3
MIC GND 4
MIC OUT(L) 5
MIC GND 6
FP4802
6 REG A5V
5 REG A5V
4 MIC OUT(R)
3 MIC GND
2 MIC OUT(L)
1 MIC GND
FP4803
ECM(LF) 6
GND 5
ECM(LR) 4
ECM(RR) 3
GND 2
ECM(RF) 1
MICHRO PHONE
MIC UNIT
MONITOR C.B.A.
MONITOR LCD PANEL
FP901
26
25 COM
24 CK V2
23 CK V1
22 X ST V
21 ST V
20 V VSS
19 X ENB
18 ENB
17 V VDD
16 CSV
15
14 PCD
13 B
12 R
11 G
10 CS H
9 H VSS
8 X ST H
7 ST H
6 H VDD
5 X PCG
4 PCG
3 CK H2
2 CK H1
1
FP903
GND 21
GND 20
GND 19
M 13.5V 18
LCD LOAD 17
LCD SCK 16
LCD SD 15
LCD CS 14
LCD OPEN 13
LCD RVS 12
HOLL VCC 11
M 15V 10
M 3V 9
M 3V 8
M 5V 7
B OUT 6
G OUT 5
R OUT 4
M VD 3
M HP 2
M FRP 1
TO FP601
1 GND
2 GND
3 M 13.5V
4 LCD LOAD
5 LCD SCK
6 LCD SD
7 LCD CS
8 LCD OPEN
9 LCD RVS
10 HOLL VCC
11 M 15V
12 M 3V
13 M 3V
14 M 5V
15 B OUT
16 G OUT
17 R OUT
18 M VD
19 M HD
20 M FRP
21 M FRP
FP904
MON V COM 17
MON V COM 16
M R OUT 15
M G OUT 14
M B OUT 13
V COM DC 12
M CHR BLK1 11
M CHR B 10
M CHR G 9
M CHR R 8
CLAMP 7
NOREG 6
NOREG 5
NOREG GND 4
NOREG GND 3
SE GND 2
SE GND 1
FP602
1 MON V COM
2 M R OUT
3 M G OUT
4 M B OUT
5 V COM DC
6 M CHR BLK1
7 M CHR B
8 M CHR G
9 M CHR R
10 CLAMP
11 NOREG
12 NOREG
13 NOREG GND
14 NOREG GND
15 SE GND
16 SE GND
17 SE GND
FP905
1 RVS (L)
2 RVS GND
3 RVS VCC
4 OPEN (H)
5 OPEN GND
6 OPEN VCC
HALL SENSOR FLEX. CARD
CAMERA OPERATION FLEX.CARD C.B.A.
AUTO
MANUAL
AE LOCK
TITLE
MULT
MEMU
W.B
FP303
1 WB
2 D GND
3 D GND
4 MENU
5 MENU SEL2
6 MENU SET
7 D GND
8 MENU SEL1
9 AE LOCK
10 FULL AUTO
11 TITLE IN
12 MULTI
FP701
1 FMR B
2 FMR GND
3 FMR GND
4 FMR A
5 FMR VCC
6 Y PSD2
7 X PSD1
8 X PSD2
9 PS D5V
10 Y PSD1
11 PSD LED
12 LED GND
13 LED GND
14 Y DRV(-)
15 Y DRV(+)
16 X DRV(-)
17 X DRV(+)
18 Z ABS
19 Z LED
20 Z ENC VCC
21 ALC MAIN(-)
22 ALC MAIN(+)
23 ALC CNT(+)
24 H IN(+)
25 H OUT(+)
26 H IN(-)
27 H OUT(-)
28 ALC CNT(-)
29 FMT(+)
30 FMT(-)
31 Z AN
32 Z BN
33 Z AP
34 Z BP
35 Z VCC
36 Z MRA
37 Z M GND
38 Z M GND
39 Z MRB
CAMERA MAIN C.B.A.
PP301
GYRO Y 61 60 SNS SW
GYRO X 62 59 AWT OUT
FLICK 63 58 AWT L2
MF LED 64 57 MF L2
AF/MF 65 56 MF L1
ADJ SIG 66 55 FNO
M HD 67 54 M FRP
R OUT 68 53 M VD
B OUT 69 52 G OUT
M 3V 70 51 M 5V
M 15V 71 50 M 3V
LCD RVS 72 49 HALL VCC
LCD CS 73 48 LCD OPEN
LCD SCK 74 47 LCD SD
M 13.5V 75 46 LCD LOAD
LCD GND 76 45 LCD GND
CAMO 77 44 MEMO END
VTR T 78 43 WINK END
C V DATA 79 42 RTN FLD
V C DATA 80 41 CAM RST
CAM SCK 81 40 CAM RTN
CAM D3 OFF 82 39 TCK
MEGA BEND 83 38 TWS
MEGA PIX 84 37 CAM TDO
MEGA BUSY 85 36 CAM TDI
MEGA DSTB 86 35 BST TEST
PB Y7 87 34 CS17
PB Y6 88 33 CS16
PB Y5 89 32 CS15
PB Y4 90 31 CS14
PB Y3 91 30 CS13
PB Y2 92 29 CS12
PB Y1 93 28 CS11
PB Y0 94 27 CS10
PB C3 95 26 YS17
PB C2 96 25 YS16
PB C1 97 24 YS15
PB C0 98 23 YS14
PB HS 99 22 YS13
PB VS 100 21 YS12
CLK45 101 20 YS11
CLK CAM 102 19 YS10
IN V 103 18 IN H
D GND 104 17 ZEBRA
D GND 105 16 CLAMP
M CHR R 106 15 M CHR G
M CHR B 107 14 M CHR BLK1
V COM DC 108 13 M B OUT
M G OUT 109 12 M R OUT
MON V COM 110 11 D GND
D GND 111 10 D GND
D GND 112 9 UARTI
AFST 113 8 UARTO
EVR SCK 114 7 M MOD1
EVR SBI 115 6 M MOD0
EVR SBO 116 5 CAMF VPP
CAM VD 117 4 EX MOD1
CAM E2DT 118 3 IRIS OPEN
CAM E2CLK 119 2 HSZSW
CAM TEST 120 1 ZOOM AD
PS3004
GYRO Y 61 60 SNS SW
GYRO X 62 59 AWT OUT
FLICK 63 58 AWT L2
MF LED 64 57 MF L2
AF/MF 65 56 MF L1
ADJ SIG 66 55 FNO
M HD 67 54 M FRP
R OUT 68 53 M VD
B OUT 69 52 G OUT
M 3V 70 51 M 5V
M 15V 71 50 M 3V
LCD RVS 72 49 HALL VCC
LCD CS 73 48 LCD OPEN
LCD SCK 74 47 LCD SD
M 13.5V 75 46 LCD LOAD
LCD GND 76 45 LCD GND
CAMO 77 44 MEMO END
VTR T 78 43 WINK END
C V DATA 79 42 RTN FLD
V C DATA 80 41 CAM RST
CAM SCK 81 40 CAM RTN
CAM D3 OFF 82 39 TCK
MEGA BEND 83 38 TWS
MEGA PIX 84 37 CAM TDO
MEGA BUSY 85 36 CAM TDI
MEGA DSTB 86 35 BST TEST
PB Y7 87 34 CS17
PB Y6 88 33 CS16
PB Y5 89 32 CS15
PB Y4 90 31 CS14
PB Y3 91 30 CS13
PB Y2 92 29 CS12
PB Y1 93 28 CS11
PB Y0 94 27 CS10
PB C3 95 26 YS17
PB C2 96 25 YS16
PB C1 97 24 YS15
PB C0 98 23 YS14
PB HS 99 22 YS13
PB VS 100 21 YS12
CLK45 101 20 YS11
CLK CAM 102 19 YS10
IN V 103 18 IN H
D GND 104 17 ZEBRA
D GND 105 16 CLAMP
M CHR R 106 15 M CHR G
M CHR B 107 14 M CHR BLK1
V COM DC 108 13 M B OUT
M G OUT 109 12 M R OUT
MON V COM 110 11 D GND
D GND 111 10 D GND
D GND 112 9 UARTI
AFST 113 8 UARTO
EVR SCK 114 7 M MOD1
EVR SBI 115 6 M MOD0
EVR SBO 116 5 CAMF VPP
CAM VD 117 4 EX MOD1
CAM E2DT 118 3 IRIS OPEN
CAM E2CLK 119 2 HSZSW
CAM TEST 120 1 ZOOM AD
VTR MAIN C.B.A.
A
B
C
D
E
12
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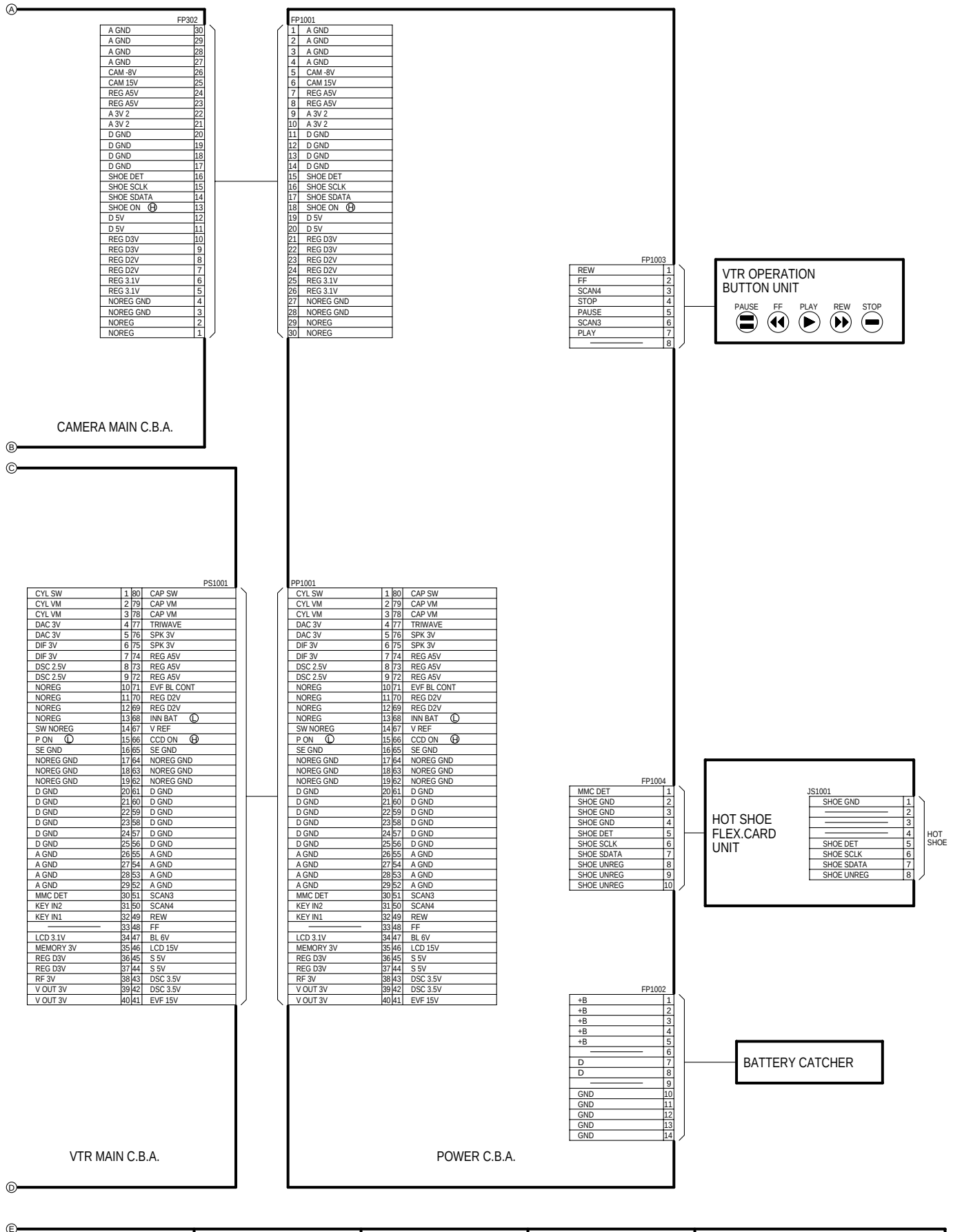
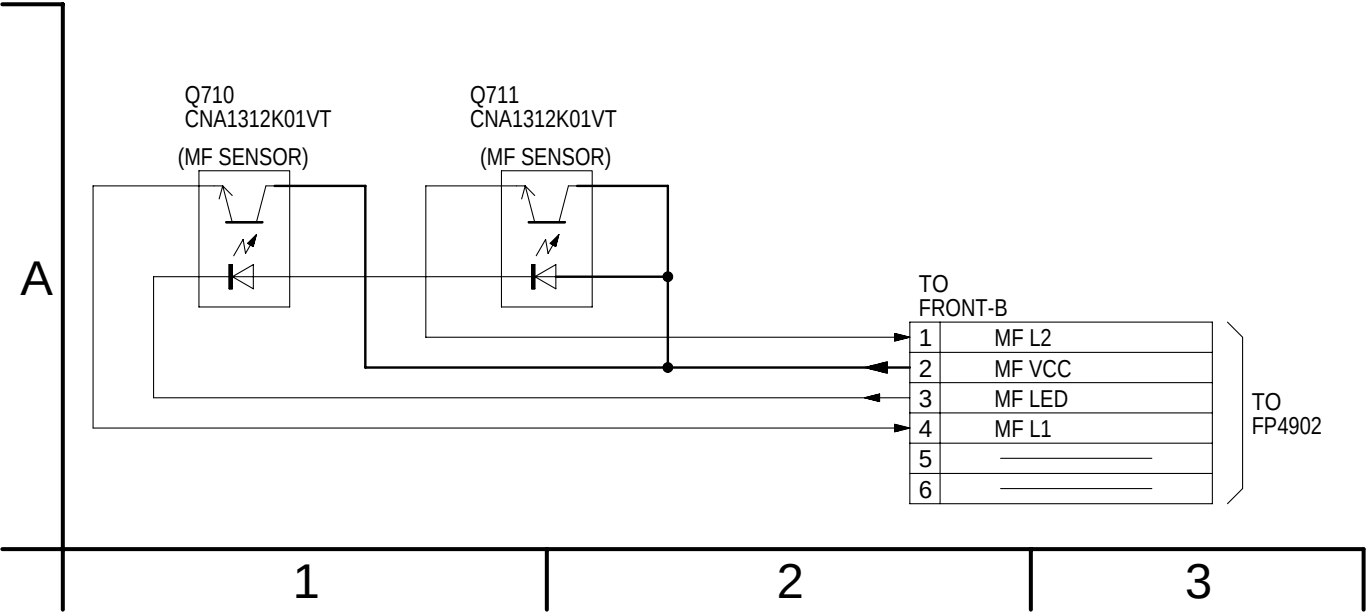
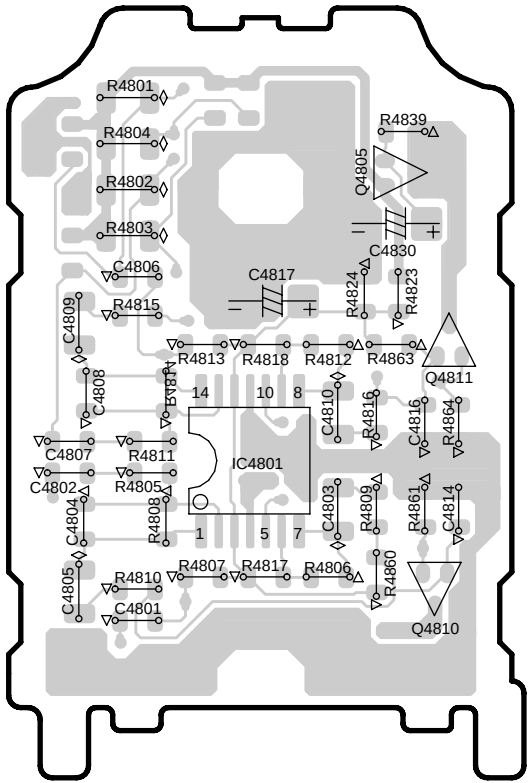
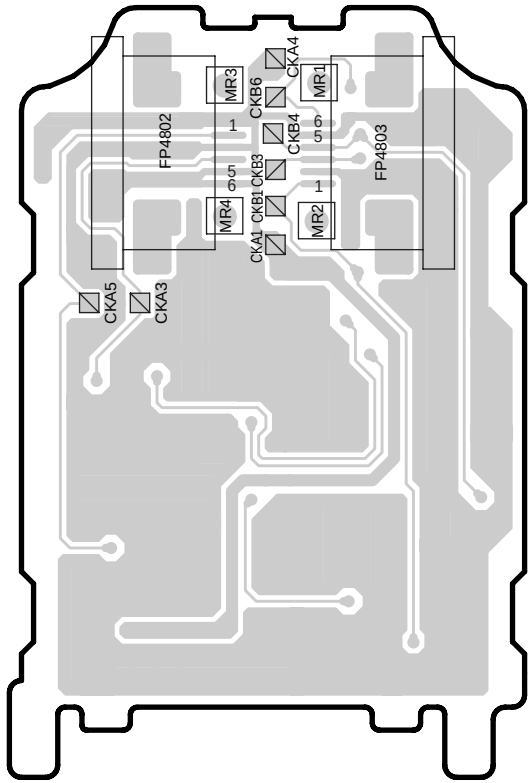
22


FP302
A GND 30
A GND 29
A GND 28
A GND 27
CAM -8V 26
CAM 15V 25
REG A5V 24
REG A5V 23
A 3V 2 22
A 3V 2 21
D GND 20
D GND 19
D GND 18
D GND 17
SHOE DET 16
SHOE SCLK 15
SHOE SDATA 14
SHOE ON Ⓗ 13
D 5V 12
D 5V 11
REG D3V 10
REG D3V 9
REG D2V 8
REG D2V 7
REG 3.1V 6
REG 3.1V 5
NOREG GND 4
NOREG GND 3
NOREG 2
NOREG 1
CAMERA MAIN C.B.A.
FP1001
1 A GND
2 A GND
3 A GND
4 A GND
5 CAM -8V
6 CAM 15V
7 REG A5V
8 REG A5V
9 A 3V 2
10 A 3V 2
11 D GND
12 D GND
13 D GND
14 D GND
15 SHOE DET
16 SHOE SCLK
17 SHOE SDATA
18 SHOE ON Ⓗ
19 D 5V
20 D 5V
21 REG D3V
22 REG D3V
23 REG D2V
24 REG D2V
25 REG 3.1V
26 REG 3.1V
27 NOREG GND
28 NOREG GND
29 NOREG
30 NOREG
FP1003
REW 1
FF 2
SCAN4 3
STOP 4
PAUSE 5
SCAN3 6
PLAY 7
8
VTR OPERATION
BUTTON UNIT
PAUSE FF PLAY REW STOP
PS1001
CYL SW 1 80 CAP SW
CYL VM 2 79 CAP VM
CYL VM 3 78 CAP VM
DAC 3V 4 77 TRIWAVE
DAC 3V 5 76 SPK 3V
DIF 3V 6 75 SPK 3V
DIF 3V 7 74 REG A5V
DSC 2.5V 8 73 REG A5V
DSC 2.5V 9 72 REG A5V
NOREG 10 71 EVF BL CONT
NOREG 11 70 REG D2V
NOREG 12 69 REG D2V
NOREG 13 68 INN BAT Ⓛ
SW NOREG 14 67 V REF
P ON Ⓛ 15 66 CCD ON Ⓗ
SE GND 16 65 SE GND
NOREG GND 17 64 NOREG GND
NOREG GND 18 63 NOREG GND
NOREG GND 19 62 NOREG GND
D GND 20 61 D GND
D GND 21 60 D GND
D GND 22 59 D GND
D GND 23 58 D GND
D GND 24 57 D GND
D GND 25 56 D GND
A GND 26 55 A GND
A GND 27 54 A GND
A GND 28 53 A GND
A GND 29 52 A GND
MMC DET 30 51 SCAN3
KEY IN2 31 50 SCAN4
KEY IN1 32 49 REW
33 48 FF
LCD 3.1V 34 47 BL 6V
MEMORY 3V 35 46 LCD 15V
REG D3V 36 45 S 5V
REG D3V 37 44 S 5V
RF 3V 38 43 DSC 3.5V
V OUT 3V 39 42 DSC 3.5V
V OUT 3V 40 41 EVF 15V
VTR MAIN C.B.A.
PP1001
CYL SW 1 80 CAP SW
CYL VM 2 79 CAP VM
CYL VM 3 78 CAP VM
DAC 3V 4 77 TRIWAVE
DAC 3V 5 76 SPK 3V
DIF 3V 6 75 SPK 3V
DIF 3V 7 74 REG A5V
DSC 2.5V 8 73 REG A5V
DSC 2.5V 9 72 REG A5V
NOREG 10 71 EVF BL CONT
NOREG 11 70 REG D2V
NOREG 12 69 REG D2V
NOREG 13 68 INN BAT Ⓛ
SW NOREG 14 67 V REF
P ON Ⓛ 15 66 CCD ON Ⓗ
SE GND 16 65 SE GND
NOREG GND 17 64 NOREG GND
NOREG GND 18 63 NOREG GND
NOREG GND 19 62 NOREG GND
D GND 20 61 D GND
D GND 21 60 D GND
D GND 22 59 D GND
D GND 23 58 D GND
D GND 24 57 D GND
D GND 25 56 D GND
A GND 26 55 A GND
A GND 27 54 A GND
A GND 28 53 A GND
A GND 29 52 A GND
MMC DET 30 51 SCAN3
KEY IN2 31 50 SCAN4
KEY IN1 32 49 REW
33 48 FF
LCD 3.1V 34 47 BL 6V
MEMORY 3V 35 46 LCD 15V
REG D3V 36 45 S 5V
REG D3V 37 44 S 5V
RF 3V 38 43 DSC 3.5V
V OUT 3V 39 42 DSC 3.5V
V OUT 3V 40 41 EVF 15V
POWER C.B.A.
FP1004
MMC DET 1
SHOE GND 2
SHOE GND 3
SHOE GND 4
SHOE DET 5
SHOE SCLK 6
SHOE SDATA 7
SHOE UNREG 8
SHOE UNREG 9
SHOE UNREG 10
HOT SHOE
FLEX.CARD
UNIT
JS1001
SHOE GND 1
2
3
4
SHOE DET 5
SHOE SCLK 6
SHOE SDATA 7
SHOE UNREG 8
HOT SHOE
FP1002
+B 1
+B 2
+B 3
+B 4
+B 5
6
D 7
D 8
9
GND 10
GND 11
GND 12
GND 13
GND 14
BATTERY CATCHER
A
B
C
D
E
23
24
25
26
27


Q710
CNA1312K01VT
(MF SENSOR)
Q711
CNA1312K01VT
(MF SENSOR)
TO
FRONT-B
1
MF L2
2
MF VCC
3
MF LED
4
MF L1
5
6
TO
FP4902
A
1
2
3

MIC UNIT : VEK8977



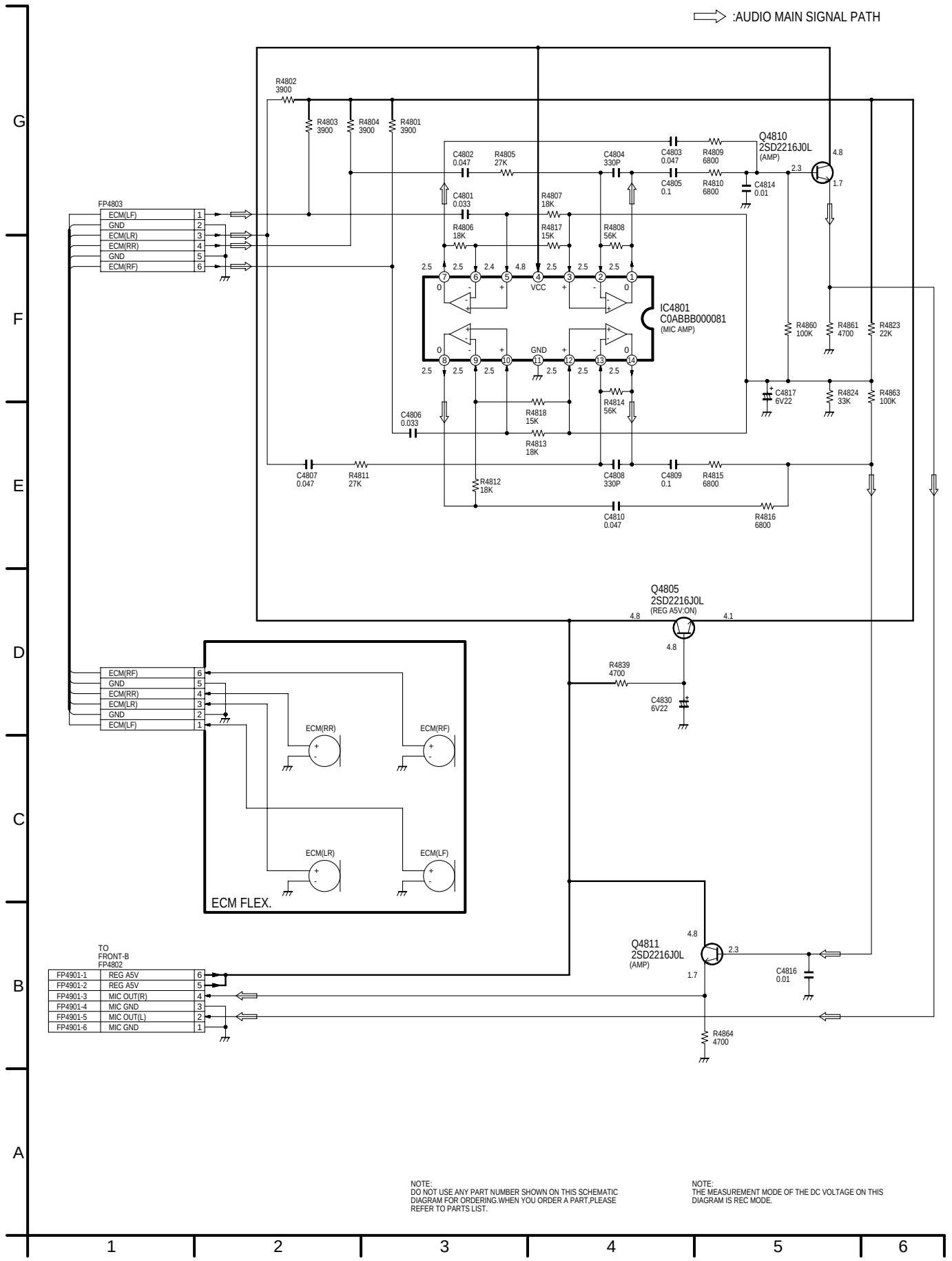


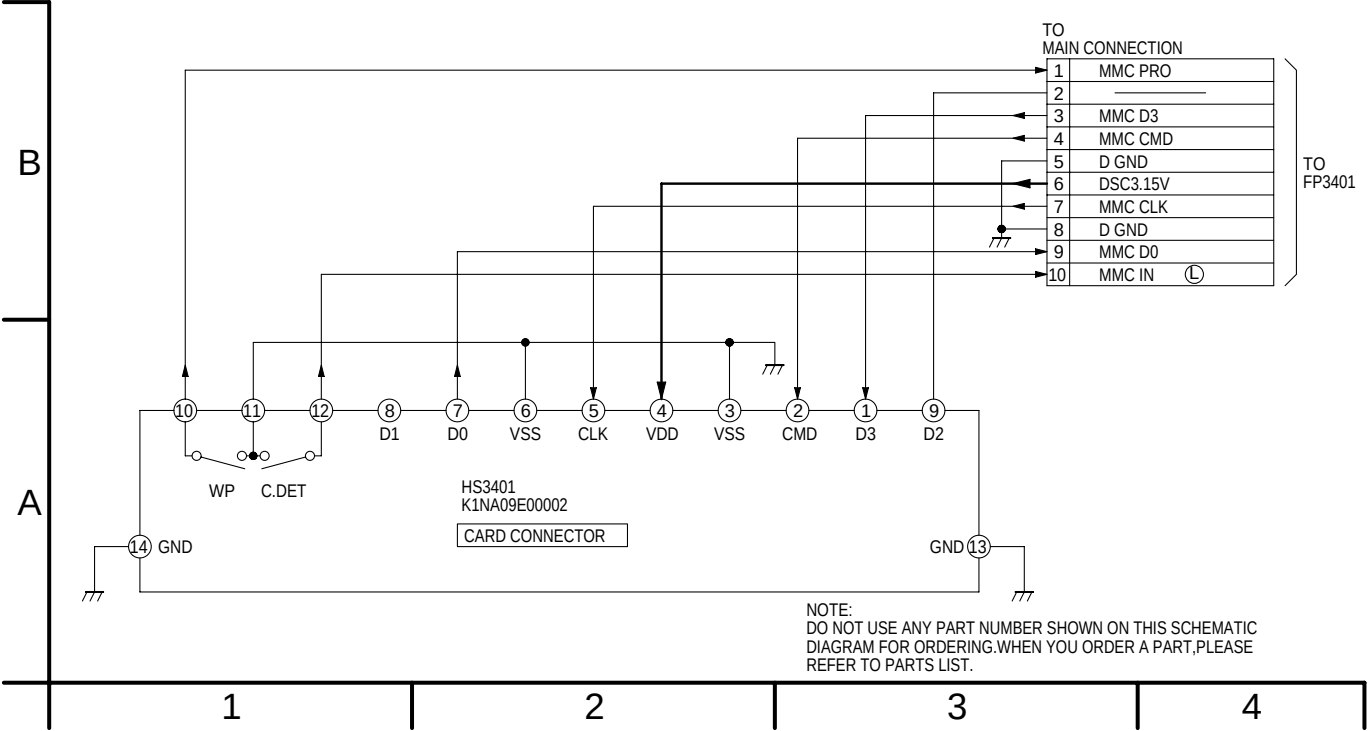
(COMPONENT SIDE)

(FOIL SIDE)

A B C

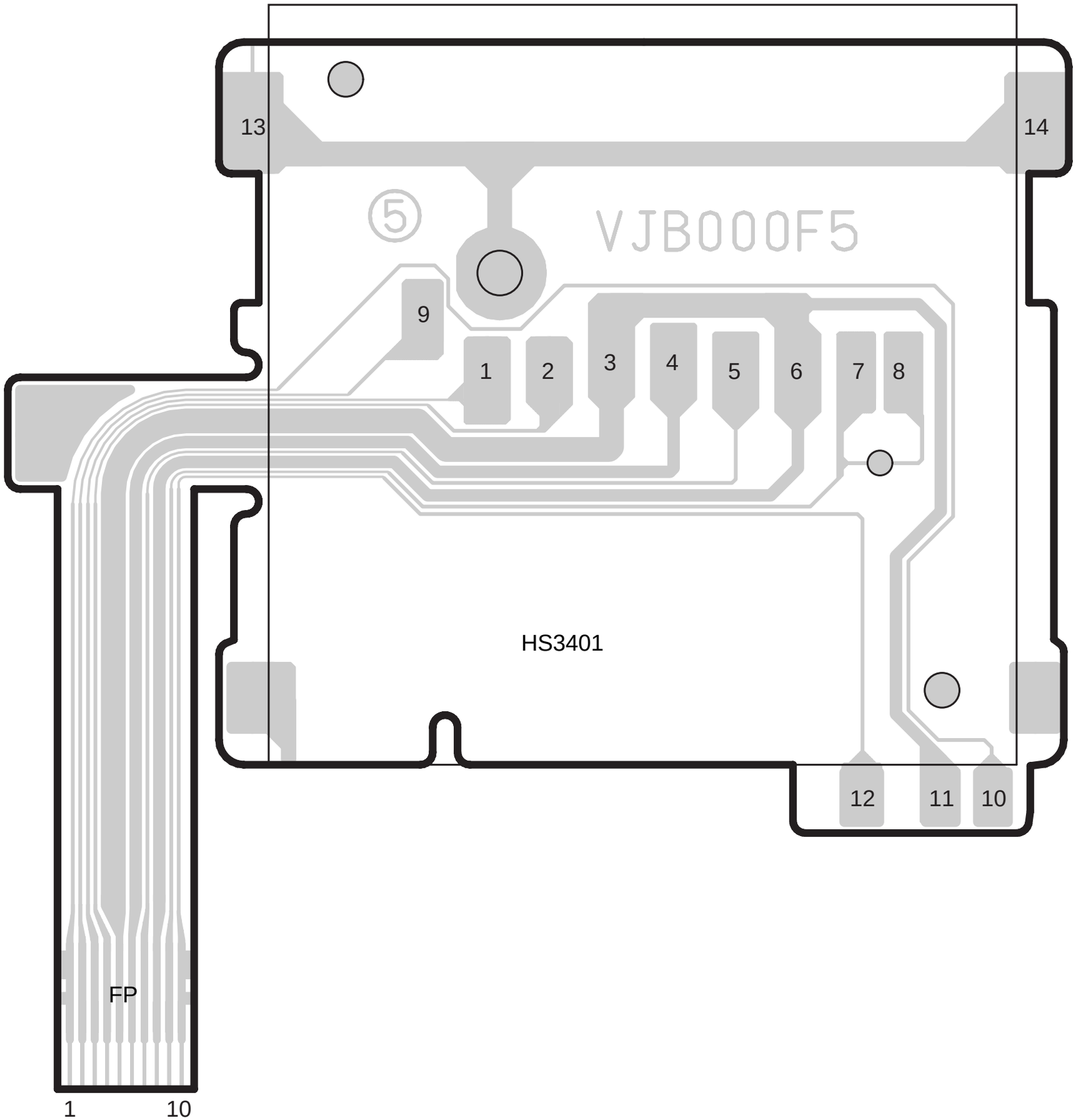
1 2 3 4


:AUDIO MAIN SIGNAL PATH
R4802 3900
R4803 3900
R4804 3900
R4801 3900
C4802 0.047
R4805 27K
C4804 330P
C4803 0.047
R4809 6800
Q4810 2SD2216J0L (AMP)
C4805 0.1
R4810 6800
C4814 0.01
C4801 0.033
R4807 18K
R4806 18K
R4817 15K
R4808 56K
FP4803
ECM(LF) 1
GND 2
ECM(LR) 3
ECM(RR) 4
GND 5
ECM(RF) 6
IC4801 C0ABBB000081 (MIC AMP)
VCC
GND
R4860 100K
R4861 4700
R4823 22K
C4817 6V22
R4824 33K
R4863 100K
R4818 15K
R4814 56K
C4806 0.033
R4813 18K
C4807 0.047
R4811 27K
R4812 18K
C4808 330P
C4809 0.1
R4815 6800
C4810 0.047
R4816 6800
Q4805 2SD2216J0L (REG A5V:ON)
R4839 4700
C4830 6V22
ECM(RR)
ECM(RF)
ECM(LR)
ECM(LF)
ECM FLEX.
TO FRONT-B FP4802
FP4901-1 REG A5V 6
FP4901-2 REG A5V 5
FP4901-3 MIC OUT(R) 4
FP4901-4 MIC GND 3
FP4901-5 MIC OUT(L) 2
FP4901-6 MIC GND 1
Q4811 2SD2216J0L (AMP)
C4816 0.01
R4864 4700
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS REC MODE.



NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

MMC/SD FLEX. CARD UNIT : VEP000F5A



C

B

A

1

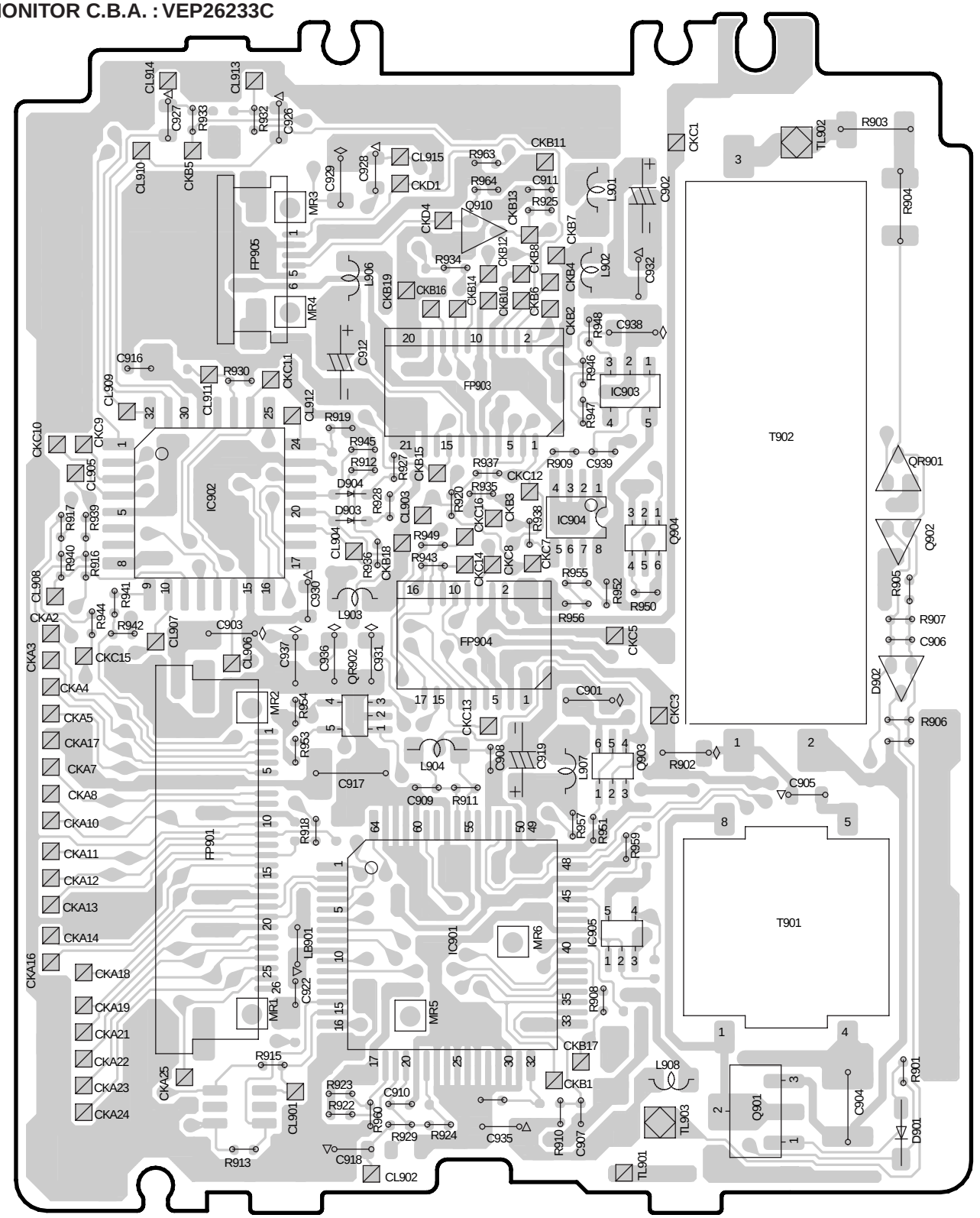
2

3

Monitor C.B.A.

Integrated Circuit	
IC901	B-3
IC902	D-2
IC903	D-3
IC904	D-3
IC905	B-3
Transistor	
Q901	A-4
Q902	D-4
Q903	C-3
Q904	D-3
Q910	E-3
Transistor & Resistor	
QR901	D-4
QR902	C-2
Connector	
FP901	B-2
FP903	D-3
FP904	C-3
FP905	E-2
Test Point	
CL901	A-2
CL902	A-2
CL903	D-3
CL904	D-2
CL905	D-1
CL906	C-2
CL907	C-1
CL908	C-1
CL909	D-1
CL910	E-1
CL911	D-2
CL912	D-2
CL913	E-2
CL914	E-1
CL915	E-2
TL901	A-3
TL902	E-4
TL903	A-4
Diode	
D901	A-4
D902	C-4
D903	D-2
D904	D-2
Coil	
L901	E-3
L902	E-3
L903	C-2
L904	C-3
L906	E-2
L907	C-3
L908	A-4
LB901	B-2
Transformer	
T901	B-4
T902	D-4
Capacitor	
C901	C-3
C902	E-3
C903	C-2
C904	A-4
C905	C-4
C906	C-4
C907	A-3
C908	C-3
C909	C-3
C910	A-2
C911	E-3
C912	D-2
C916	D-1
C917	C-2
C918	A-2
C919	C-3
C922	B-2
C926	E-2
C927	E-1
C928	E-2
C929	E-2
C930	C-2
C931	C-2
C932	E-3
C935	A-3
C936	C-2
C937	C-2
C938	E-3
C939	D-3
Resistor	
R901	A-4
R902	C-4
R903	E-4
R904	E-4
R905	C-4
R906	C-4
R907	C-4
R908	B-3
R909	D-3
R910	A-3
R911	C-3
R912	D-2
R913	A-2
R915	A-2
R916	D-1
R917	D-1
R918	B-2
R919	D-2
R920	D-3
R922	A-2
R923	A-2
R924	A-3
R925	E-3
R927	D-2
R928	D-2
R929	A-2
R930	D-2
R932	E-2
R933	E-1
R934	E-3
R935	D-3
R936	D-2
R937	D-3
R938	D-3
R939	D-1
R940	D-1
R941	C-1
R942	C-1
R943	D-3
R944	C-1
R945	D-2
R946	D-3
R947	D-3
R948	E-3
R949	D-3
R950	C-3
R951	B-3
R952	C-3
R953	C-2
R954	C-2
R955	C-3
R956	C-3
R957	B-3
R959	B-3
R960	A-2
R963	E-3
R964	E-3

MONITOR C.B.A. : VEP26233C



NOTE:MULTILAYER C.B.A.

THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

:VIDEO MAIN SIGNAL PATH

TO SUB CONNECTION FP903

FP601-1	GND	21
FP601-2	GND	20
FP601-3	GND	19
FP601-4	M 13.5V	18
FP601-5	LCD LOAD	17
FP601-6	LCD SCK	16
FP601-7	LCD SD	15
FP601-8	LCD CS	14
FP601-9	LCD OPEN	13
FP601-10	LCD RVS	12
FP601-11	HALL VCC	11
FP601-12	M 15V	10
FP601-13	M 3V	9
FP601-14	M 3V	8
FP601-15	M 5V	7
FP601-16	B OUT	6
FP601-17	G OUT	5
FP601-18	R OUT	4
FP601-19	M VD	3
FP601-20	M HD	2
FP601-21	M FRP	1

TO SUB CONNECTION FP904

FP602-17	SE GND	1
FP602-16	SE GND	2
FP602-15	NOREG GND	3
FP602-14	NOREG GND	4
FP602-13	NOREG	5
FP602-12	NOREG	6
FP602-11	CLAMP	7
FP602-10	M CHR R	8
FP602-9	M CHR G	9
FP602-8	M CHR B	10
FP602-7	M CHR BLK1	11
FP602-6	V COM DC	12
FP602-5	M B OUT	13
FP602-4	M G OUT	14
FP602-3	M R OUT	15
FP602-2	MON V COM	16
FP602-1	MON V COM	17

TO FRAME GND

TL901

L903 10u
L901 10u
L902 10u
L906 10u
L908 22u
L907 22u
L904 3.3u

R908 1K
R928 1K
R927 1K
R935 1K
D903 1SS388
D904 1SS388
C903 1
C917 10
C910 0.022
CL902
R924 1500
R929 470
C918 0.1
R953 10K
R954 10K
QR902 RN1707R (INV.)
R934 1K
R933 1K
R932 1K
R936 1K
R912 10K
R945 10K
R937 1K
R919 1K
CL904
CL903
CL912
C930 F1H1A105A029
C912 6V100
C907 0.1
R910 47K
R922 5600
R923 27K
R960 27K
CL901
R915 0
R913 0
R920 5600 0.1
R938 100
C931 F1J1A335A005
CL906
R939 0
CL905
C936 F1J1A335A005
R940 0
CL908
C937 F1J1A335A005
CL907
R941 0
BOUT
CL911
R930 1K
C916 0.01
C926 0.01
C927 0.01
C928 0.01
CL910
CL909
CL913
CL914
CL915
C929 1
C911 0.1
C904 10
C905 0.1
C932 1
C902 6V22
C901 1
C922 0.1
C935 1
C938 1
C939 0.1
C906 0.033
C907 10
C908 33P
C909 33P
R925 33K
R963 33K
R964 33K
R942 100
R943 100
R944 100
R949 1K
R918 0
R917 0
R916 0
R909 1K
R946 1K
R947 33K
R948 15K
R957 1K
R959 10K
R902 3.3M
R903 3.3M
R904 3.3M
R905 12K
R906 820
R907 10K
R901 560
R950 10K
R951 10K
R952 15K
R955 100K
R956 15K

IC902
AN2555FBQ
(LCD SIGNAL PROCESSOR)

IC901
LC27247BTRK0
(LCD CONTROLLER)

IC905
TC7SET08FU

IC903
TA75S558F

IC904
TC4W53FU

IC991
DN8797MS
(OPEN/CLOSE)

IC991
DN8797MS
(FORWARD/REVERS)

HALL SENSOR FLEX.CARD
(VEP06D42A)

Q901
2SK2159
(SWITCHING)

Q902
2SC4738F
(AMP)

Q910
2SC4738F
(OPEN/CLOSE)

Q904
HN1B04FU
(AMP)

Q903
HN1B04FU
(AMP)

T901
ETJ09K49AZ

T902
EFTU21R203

TL902
TL903

D901 MA111
D902 MA133

QR901
RN1104F
(INV.)

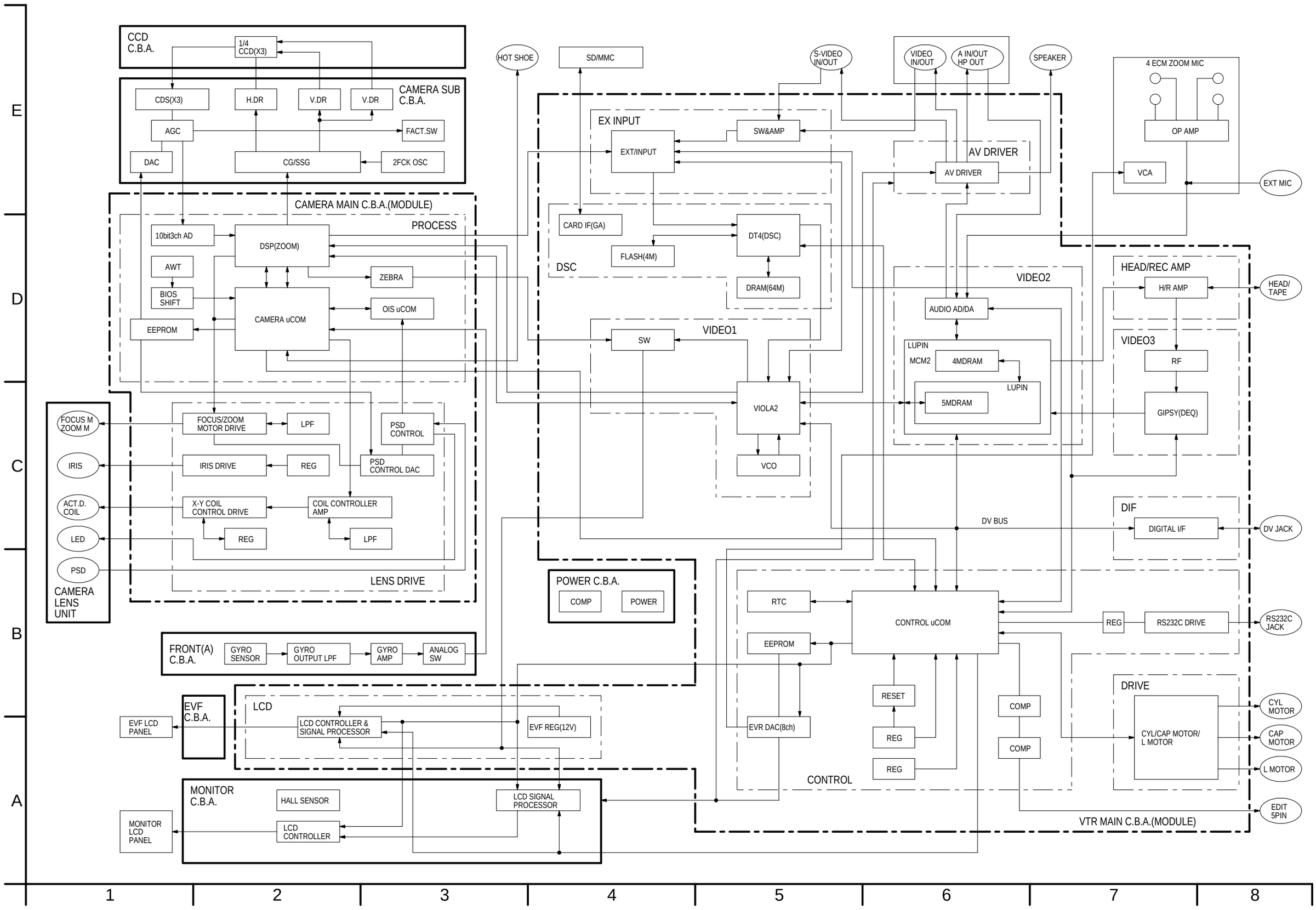
LB901
VLP0362A102

TO MONITOR LCD PANEL FP901

26	
25	COM
24	CKV2
23	CKV1
22	X STV
21	STV
20	V VSS
19	X ENB
18	ENB
17	V VDD
16	CSV
15	
14	PCD
13	B
12	R
11	G
10	CSH
9	H VSS
8	X STH
7	STH
6	H VDD
5	X PCG
4	PCG
3	CKH2
2	CKH1
1	

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.(MONITOR:OPEN)


CCD C.B.A.
1/4 CCD(X3)
CAMERA SUB C.B.A.
CDS(X3)
H.DR
V.DR
V.DR
AGC
FACT.SW
DAC
CG/SSG
2FCK OSC
CAMERA MAIN C.B.A.(MODULE)
PROCESS
10bit3ch AD
DSP(ZOOM)
AWT
BIOS SHIFT
ZEBRA
CAMERA uCOM
OIS uCOM
EEPROM
HOT SHOE
SD/MMC
S-VIDEO IN/OUT
VIDEO IN/OUT
A IN/OUT HP OUT
SPEAKER
4 ECM ZOOM MIC
OP AMP
VCA
EXT MIC
EX INPUT
SW&AMP
EXT/INPUT
AV DRIVER
AV DRIVER
CARD IF(GA)
DT4(DSC)
FLASH(4M)
DSC
DRAM(64M)
VIDEO2
HEAD/REC AMP
H/R AMP
HEAD/ TAPE
AUDIO AD/DA
VIDEO1
SW
LUPIN
MCM2
4MDRAM
LUPIN
5MDRAM
VIDEO3
RF
VIOLA2
GIPSY(DEQ)
VCO
FOCUS M
ZOOM M
FOCUS/ZOOM MOTOR DRIVE
LPF
PSD CONTROL
IRIS
IRIS DRIVE
REG
PSD CONTROL DAC
ACT.D. COIL
X-Y COIL CONTROL DRIVE
COIL CONTROLLER AMP
LED
REG
LPF
PSD
CAMERA LENS UNIT
LENS DRIVE
DIF
DV BUS
DIGITAL I/F
DV JACK
POWER C.B.A.
COMP
POWER
RTC
CONTROL uCOM
REG
RS232C DRIVE
RS232C JACK
EEPROM
FRONT(A) C.B.A.
GYRO SENSOR
GYRO OUTPUT LPF
GYRO AMP
ANALOG SW
RESET
DRIVE
COMP
CYL MOTOR
EVF C.B.A.
LCD
EVF LCD PANEL
LCD CONTROLLER & SIGNAL PROCESSOR
EVF REG(12V)
EVR DAC(8ch)
REG
COMP
CAP MOTOR
CYL/CAP MOTOR/ L MOTOR
REG
L MOTOR
CONTROL
MONITOR C.B.A.
HALL SENSOR
LCD SIGNAL PROCESSOR
EDIT 5PIN
MONITOR LCD PANEL
LCD CONTROLLER
VTR MAIN C.B.A.(MODULE)
E
D
C
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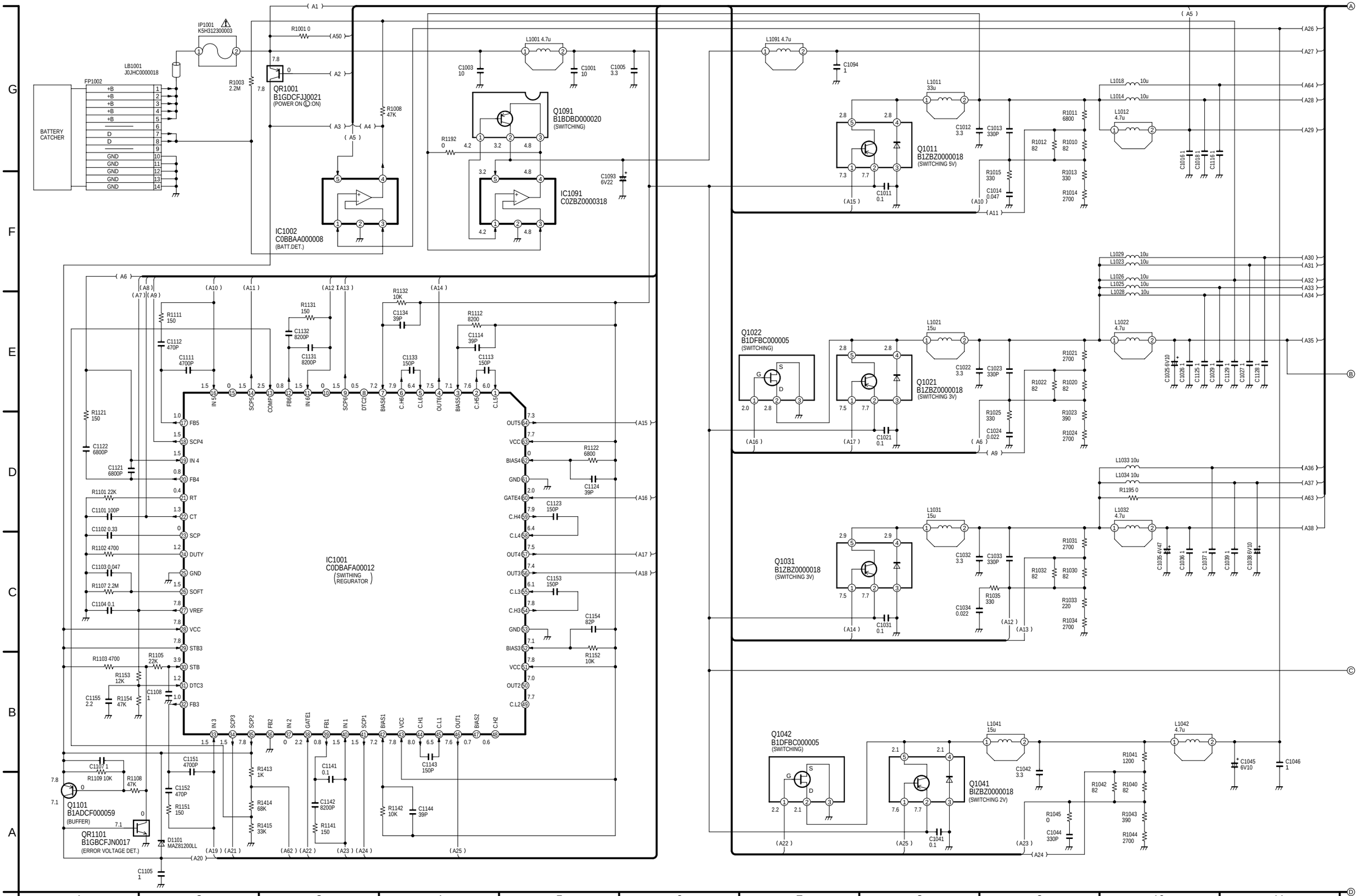
IP1001
K5H312300003
LB1001
J0JHC0000018
FP1002
BATTERY CATCHER
+B
D
GND
R1001 0
R1003 2.2M
QR1001
B1GDCFJJ0021
(POWER ON Ⓛ:ON)
IC1002
C0BBAA000008
(BATT.DET.)
L1001 4.7u
C1003 10
C1001 10
C1005 3.3
R1008 47K
Q1091
B1BDBD000020
(SWITCHING)
R1192 0
IC1091
C0ZBZ0000318
C1093 6V22
L1091 4.7u
C1094 1
Q1011
B1ZBZ0000018
(SWITCHING 5V)
L1011 33u
C1012 3.3
C1013 330P
C1014 0.047
C1011 0.1
R1011 6800
R1012 82
R1010 82
R1015 330
R1013 330
R1014 2700
L1018 10u
L1014 10u
L1012 4.7u
C1016 1
C1018 1
C1116 1
Q1022
B1DFBC000005
(SWITCHING)
Q1021
B1ZBZ0000018
(SWITCHING 3V)
L1021 15u
C1022 3.3
C1023 330P
C1024 0.022
C1021 0.1
R1021 2700
R1022 82
R1020 82
R1025 330
R1023 390
R1024 2700
L1022 4.7u
C1025 6V10
C1028 1
C1125 1
C1029 1
C1129 1
C1027 1
C1128 1
L1029 10u
L1023 10u
L1026 10u
L1025 10u
L1028 10u
Q1031
B1ZBZ0000018
(SWITCHING 3V)
L1031 15u
C1032 3.3
C1033 330P
C1034 0.022
C1031 0.1
R1031 2700
R1032 82
R1030 82
R1035 330
R1033 220
R1034 2700
L1033 10u
L1034 10u
R1195 0
L1032 4.7u
C1035 4V47
C1036 1
C1037 1
C1039 1
C1038 6V10
Q1042
B1DFBC000005
(SWITCHING)
Q1041
B1ZBZ0000018
(SWITCHING 2V)
L1041 15u
C1042 3.3
C1043 330P
C1044 0.022
C1041 0.1
R1041 1200
R1042 82
R1040 82
R1045 0
R1043 390
R1044 2700
L1042 4.7u
C1045 6V10
C1046 1
IC1001
C0DBAFA00012
(SWITHING REGURATOR)
IN 5
SCP5
COMP
FB6
IN 6
SCP6
DTC2
BIAS6
C.H6
C.L6
OUT6
BIAS5
C.H5
C.L5
OUT5
VCC
BIAS4
GND
GATE4
C.H4
C.L4
OUT4
OUT3
C.L3
C.H3
GND
BIAS3
VCC
OUT2
C.L2
FB5
SCP4
IN 4
FB4
RT
CT
SCP
DUTY
GND
SOFT
VREF
VCC
STB3
STB
DTC3
FB3
IN 3
SCP3
SCP2
FB2
IN 2
GATE1
FB1
IN 1
SCP1
BIAS1
VCC
C.H1
C.L1
OUT1
BIAS2
C.H2
R1111 150
C1112 470P
C1111 4700P
R1131 150
C1132 8200P
C1131 8200P
R1132 10K
C1134 39P
C1133 150P
R1112 8200
C1114 39P
C1113 150P
R1121 150
C1122 6800P
C1121 6800P
R1101 22K
C1101 100P
C1102 0.33
R1102 4700
C1103 0.047
R1107 2.2M
C1104 0.1
C1105 1
R1103 4700
R1105 22K
R1153 12K
C1155 2.2
R1154 47K
C1108 1
C1107 1
R1109 10K
R1108 47K
Q1101
B1ADCF000059
(BUFFER)
QR1101
B1GBCFJN0017
(ERROR VOLTAGE DET.)
D1101
MAZ81200LL
C1151 4700P
C1152 470P
R1151 150
R1413 1K
R1414 68K
R1415 33K
C1141 0.1
C1142 8200P
R1141 150
R1142 10K
C1144 39P
C1143 150P
R1122 6800
C1124 39P
C1123 150P
C1153 150P
C1154 82P
R1152 10K
A1
A2
A3
A4
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